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Accountant General, Posts and Telegraphs.

Andhra University.

Central Boilers Board.

Central Electricity Board.

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MISCELLANEOUS NOTIFICATIONS AND ORDERS—contd.

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NEW DELHI, SATURDAY, JANUARY 1, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

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A discount of 25 per cent. on the above rates is allowed to all Central and Local Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 1st January 1938.

SPECIAL NOTICE.

There will be no notification on the 8th January 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

December 20, 1937.

24746. A. P. Rowlands and T. O. D. Jansen. Improvements in time clocks.

24747. A. Ramaswami Iyer. An automatic twisting and winding charka.

24748. Standard Telephones and Cables, Ld. Antenna network particularly applicable to systems for radio-guiding of moving vehicles.

24749. S. Marsoni. Process for obtaining cellulose from vegetable fibres.

24750. I. G. Farbenindustrie Aktiengesellschaft. The manufacture of condensation products. (December 22, 1936).

24751. Societe Anonyme Stabilimenti Di Dalmine. Method and apparatus for internally coating metal tubes with bitumenous materials.

24752. E. H. Reinau. Method for finding out the kinds and quantities of nutritious substances to be introduced into a certain cultivated soil with the object of obtaining a maximum yield in cultivated plants.

24753. K. F. Seim and T. Lowenberg. Improvements in and relating to the production of textile threads.

24754. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler. Improvements in and relating to processes for extracting dilute organic acids. (November 10, 1937).

24755. B. Le Neve Foster. A new or improved electric vapouriser.

24756. Richard Thomas & Co. Ld. Improvements in or relating to processes for the production of tin plates, sheets or the like. (January 19, 1937).

24757. H. A. Brassert and H. A. Brassert & Co., Ld. Improvements in and relating to the manufacture of steel. (December 21, 1936).

24758. J. L. et Lavigne. Improvement in centrifugal distillation.

24759. L. Vanmalidas. Improvements in cookers.

24760. M. N. Pai. Improved method of or means for treating nut shells and particularly cashew nut shells. [Addition to No. 24250].

24761. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to radio and like receivers. (December 31, 1936).

24762. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to radio and like receivers. (December 31, 1936).

24763. Automatic Telephone & Electric Co. Ld Improvements in or relating to telephone systems. (January 6, 1937).

24764. W. Walker. Improvements in and relating to warp supply and tension means therefor, for looms for weaving. (February 24, 1937).

24765. E. Salani and V. Passardi. Improvements in projectors.

24766. K. K. Chatterji. Improvements in and relating to the softening and conditioning of vegetable fibres.

December 21.

24767. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to cathode ray tube television transmitters.

24768. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to television.

24769. Pilkington Brothers Ld. Improvements in and relating to the tempering of glass.

24770. Pilkington Brothers Ld. Improvements in and relating to the tempering of glass.

24771. Pilkington Brothers Ld. Improvements in and relating to chilling media for tempering glass.

December 22.

24772. The Indian Hume Pipe Co. Ld. Improved apparatus for use in the manufacture of metal or wire meshes or fabrics and the like. [Date claimed under section 13—April 12, 1934].

24773. S. A. Siddiqi. Domestic aqua privy (Latrine).

December 23.

24774. I. G. Farbenindustrie Aktiengesellschaft. Improvements in the production of fast dyeings. (December 24, 1936).

24775. Maschinenfabrik Esslingen. Improvements in or relating to the manufacture of carbon dioxide snow and its compression into dry ice blocks.

24776. T. H. Laird. Improvements in or relating to pressing rollers for spinning frames or the like.

24777. A. K. Datta. Improvements in or relating to manufacture of cementing materials.

24778. The Buell Combustion Co. Ld. Improvements in or relating to dust collectors for use with steam generating plant.

24779. C. Jagannadharao. Improvements in or relating to breakwaters or moles for harbours and ports.

Alteration of Date.

24585. Ante-dated 16th October 1936 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the

Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23269. Dr. S. H. Khan. Sanitary latrine. *Pot in a frame with a lid hinged at one side and operated by lever connected to lid by hook and slot arrangement.*

23525. C. Marsden. Improvements in or relating to shuttles for weaving. (December 21, 1935). *Wherein the line of action of the plunger lies above the pivot-axis of the shuttle-tongue.*

23544. Standard Telephones and Cables Limited. Directive antennae. *Angularly related conductors each conductor having a length greater twice longest wavelength and at least five times the height of antenna.*

23553. Gerrard Industries Limited. Improvements relating to strapping. (February 27, 1936). *Hand-operated machine in which oscillating member performs twisting of strapping material during forward and return oscillations.*

23668. E. W. Larsson-Letzen. Game apparatus. (February 18, 1936). *Plate with playing members rotatable about vertical axis, areas traversed by adjacent members partially coinciding.*

23671. Corning Glass Works. Improvements in glass insulators. *Head tempered to a greater degree than the skirt.*

23705. Societe de Prospection Electrique, Procedes Schlumberger. Method and arrangement for determining the direction and the value of the dip of beds cut by a bore hole. *Measuring spontaneous potential differences which exist in the neighbourhood of contact between porous and non-porous beds.*

23718. The General Electric Co. Ld. Improvements in or relating to electric discharge devices. (February 24, 1936). *Mixture of silica, magnesia and alumina.*

23742. Schweizerische Lokomotive & Maschinenfabrik. Improvements in or relating to individual axle drives. *Flexible connection elements between traction wheels, axle and driving shaft are retained by fastening means to be radially releasable.*

23821. H. H. B. Lund. Improvements in or relating to apparatus for the germination of seeds and the growth of seedlings. (March 26, 1936). *A sprinkler system to sprinkle upon the upper tray the fertiliser liquid which percolating from one tray to the next.*

23858. Wellman Seaver Rolling Mill Co., Ld. Improvements in or relating to apparatus for the manufacture of metal tubes and other tubular articles. (July 30, 1936). *Mandrel carrier and mandrel with their connections to maintain them co-axial.*

23860. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to aerial and feeder systems. *Two conductors each of half wave length at an angle of 60°.*

23867. Universal Oil Products Co. Process for the catalytic pyrolysis of hydrocarbons. *Catalysts comprising artificial zeolites, clays and other altered-silicates.*

23899. Elektro-Thermit G. m. b. H. Aluminothermic welding process. *By heating workpieces united by a close melting welding while shape maintained by closely engaging protective devices.*

23917. Jamal Din Mohd. Husain Zamindar Foundry. Improvements in or relating to chaff cutters. *In the projections of one end plate bushes are provided for mounting the worm shaft.*

24006. B. B. Patel. An improved roadway manhole cover and frame for sewers or storm water drains. *Rebate on the outer side of frame to form a recess between said rebate and frame flange.*

24054. H. Wood. Improvements in oscillating apparatus for packing tea and other machines such as sorting machines or ball breakers. *Platform pivotally mounted and vibrated electromagnetically.*

24064. Hugo Schneider Aktiengesellschaft. Improvements in or relating to burners for hurricane lanterns. *Burner box in two parts secured together by crimping.*

24123. G. Pinazza. Improvements in and relating to percussion implements such as hammers, rivetting tools, drills and mallets. *Air chamber between posterior ends of casing and percussor and means at the foot of tool to return said tool and casing relative to each other.*

24124. Hugo Schneider Aktiengesellschaft. Lifting arrangement for the glass-globe of a hurricane lantern by means of a bent or cranked wire. *A bent wire pivotally mounted about its ends.*

24125. Hugo Schneider Aktiengesellschaft. Arrangement for lifting the glass-globe of hurricane lanterns. *Lever arm for operating crank adjacent air-feed arm.*

24131. Hugo Schneider Aktiengesellschaft. Improvements in or relating to hurricane lanterns. *Inner chimney having cross-sectional area $1\frac{1}{2}$ to 3 times the area of the two air-feed pipes.*

24239. Co-operative Wholesale Society, Ld., and T. E. Foulkes. Improvements in means for storing and/or displaying articles in showrooms, ware-rooms and the like. *Carrier members arranged in movable rows one behind the other.*

24241. A. V. Varadaraja Iyengar. A process for treating molasses to recover the potassium contained in it as potash. *By treating with solutions containing tartaric acid.*

24246. N. B. Patel. An improved manhole cover and frame for storage tanks. *Frame with two grooves and cover with three rims, the cover being pressed in the grooves by handle working in channel iron piece hinged to the frame.*

24267. S. D. Master and S. R. Lalkaka. Improvements in lifting aircrafts. *Wings arranged in truncated conical or pyramidal form to house propellors so that air may be forced into said wings and through the top opening.*

24352. Glenfield and Kennedy, Limited and E. B. Ball, Junior. Improvements in or relating to self-closing taps. *Hydraulically operated combined piston and main valve member and pilot valve manually operable for release and spring controlled for closing.*

24371. P. T. Evans, J. H. Wright, and H. Brammer. Improvements in or relating to belting. (September 1, 1936). *Flexible belt with loops on one or both faces for receiving transverse bars.*

24407. J. Bleeck. An improved method of pickling hides in the process of tanning. (November 11, 1936). *Treating with solution of sodium sulphate and sodium silicofluoride with kaolin in suspension.*

24409. C. Clutsom. Improvements in or relating to looms with stationary weft supplies. *Guides for constraining the fabric, a weft laying member and a thread engaging element with positive engagement of the thread.*

24416. Owens-Illinois Glass Co. Improvements in and relating to hollow glass blocks. *With internal vacuum from two moulded sections joined together.*

24417. Owens-Illinois Glass Co. Improvements in and relating to hollow glass blocks. *Wire mesh embedded in one of the exposed walls.*

24419. H. A. Davy and W. Sha. Improved process and manner of maturing and packing tea. *Packing in bamboo sheaths.*

24429. Hugo Schneider Aktiengesellschaft. Hurricane lantern with air-chamber in the fuel tank. *Intermediate plate separating air chamber from fuel chamber having two depressions.*

24439. Societe Anonyme des Charbonnages de Beeringen. Process for the separation of dust, and dust separating apparatus more especially for pit coal. *By passing heated air.*

24442. Owens-Illinois Glass Company. Improvements in hollow glass building blocks. *Coloured glass sheet within the block.*

24443. Owens-Illinois Glass Company. Improvements in and relating to glass blocks. *Making foam glass block by inserting wire mesh in mould placing gather of foam glass therein and evacuating air therefrom.*

24445. Owens-Illinois Glass Company. Improvements in and relating to the manufacture of glass blocks. *Hollow block of two sections pressed together is carried in conveyor through one or more heating stations and a sealing station.*

24452. J. A. Cox. Improvements in or relating to artificial bricks, slabs, blocks, tiles and the like and to a process of manufacturing them. (September 25, 1936). *Comminuted chalk 99 % to 80% and Portland cement 1% to 20% mixed dry and compressed.*

24467. Colombo Commercial Company Limited and A. Young. Improved apparatus for grading manufactured or partially manufactured tea leaf or other similar substance. (July 14, 1937). *Inclined sieve hinged at the top end and vibrated at the bottom end.*

24468. W. Jefferies, and Peirce, Leslie & Company Limited. Improvements relating to the extraction of cashew nut-shell oil. (December 9, 1936). *Apparatus comprising means for automatically surface wetting of the nuts, storage bin and conveyors for feeding the nuts from the bin to the heat treatment plant.*

24478. Knoll A. G., Chemische Fabriken. Process for the production of a stable, water soluble product from the latex of lactuca virosa and the products obtained by such process. *Separating the solution of water soluble constituents from fresh latex and evaporating it to dryness.*

24497. W. Jefferies and Peirce, Leslie & Company Limited. Improvements in or relating to the extraction of cashew nutshell oil. (December 9, 1936). *Conveyor for cooling and draining the heat treated nuts comprising an outer trough, a worm fitted with members adapted to throw up the nuts and inner trough cooperating with the worm to collect the oil.*

24515. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of aromatic arsenic and antimony compounds. (October 30, 1936). *Reacting an aromatic amine or phenol containing arsenic and/or antimony with a halogen acylamide containing at the nitrogen one or two radicles having at least two hydroxyl groups.*

24585. W. T. Astbury and A. C. Chibnall. Improvements in or relating to the production of artificial filaments, threads, masses, films and the like. [Antedated 16th October 1936]. [Addition to No. 23326.] *Addition of an acid, zinc chloride, glycerol or sorbitol to the regenerating medium claimed in printed specification No. 23326.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23123. Kopetz.

23326. Astbury and Chibnall.

23327. Astbury and Chibnall.
23405. Innocenti S. A.
23406. Innocenti S. A.
23512. Saraswati Industries, Ld.
23585. The General Electric Company Limited.
23743. Chatterjee.
23768. Wellman Seaver Rolling Mill Co., Ld.
23774. Van Der Jagt.
23792. National Malleable and Steel Castings Co.
23807. Universal Oil Products Co.
23992. Babcock & Willcox, Ld.
23994. Marconi's Wireless Telegraph Co., Ld.
24018. Dr. Kronenberg and Sempell.
24021. The Metal Box Co., Ld.
24026. Lalkaka.
24037. Imperial Chemical Industries, Ld.
24038. Society of Chemical Industry in Basle.
24043. Metallgesellschaft Aktiengesellschaft.
24048. Seri Holding S. A.
24073. James Mills and Co. (Engineers), Ld., and Bolton.
24088. Marconi's Wireless Telegraph Co., Ld.
24105. Faiveley.
24147. J. A. Cravtree and Co., and McLoughlin.
24150. Ruetz.
24164. British Ozaphane, Ld.
24183. Delbag, Deutsche Luftfilter-Baugesellschaft, Dr. Hans Wittemeier.
24190. General Railway Signal Co.
24192. Vogel-Jorgensen.
24193. Vogel-Jorgensen.
24225. Becker & Co. (1924). Ltd.
24280. I. G. Farbenindustrie Aktiengesellschaft.
24292. Hoare & Co. (Engineers), Ld.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23026. Brooks.
23132. Standard Telephones and Cables, Ld.
23138. Standard Telephones and Cables, Ld.
23161. Standard Telephones and Cables, Ld.
23167. Frenkel.
23202. Buffalo Electric Furnace Corporation.
23221. Lucas and Lucas.
23225. Hossain.
23257. Gordon.
23354. Arbuthnot and Campbell.
23436. Zublin.
23452. Mistry Ahmed Din.
23540. International General Electric Co. of New York, Ld.
23561. Gewerkschaft Auguste.
23567. Harbord and Harbord.
23627. Universal Oil Products Co.
23645. N. V. De Bataafsche Petroleum Maatschappij.
23657. Hagedorn, Jensen and Wodstrup-Nielsen.
23683. Wilputte.
23686. International General Electric Co. of New York Ld.
23689. Wilputte.
23714. Mayo.
23735. Russell.
23767. Shimada Trading Co.
23787. Karanjkar.
23797. Dr. C. Otto and Comp. Gesellschaft mit Beschrankter Haftung.
23798. Dr. C. Otto and Comp. Gesellschaft mit Beschrankter Haftung.
23799. Dr. C. Otto & Comp. Gesellschaft mit Beschrankter Haftung.
23800. Dr. C. Otto & Comp. Gesellschaft mit Beschrankter Haftung.
23853. Dastoor.
23868. Universal Oil Products Co.
23872. Dubey.
23997. Universal Oil Products Co.
23999. Metallgesellschaft Aktiengesellschaft.
24014. Radio Corporation of America.

Patents Sealed.

22800. Billiter.
22955. Sheth.
22962. Mallick.
23061. Standard Telephones & Cables Ld.
23062. Standard Telephones & Cables Ld.
23088. Smith.
23094. Das.
23126. Junghans.
23195. Bour.
23341. Hydril Co.
23381. Feurtado.
23401. Electrolux Ld.
23450. G. T. R. Co., Ld.
23539. Owens-Illinois Glass Co.
23548. Edmundson and Taylor.
23568. Dr. Lasch and Dr. Schonbrunner.
23614. Zublin.
23625. The Cold Metal Process Co.
23640. Read.
23641. Read.
23769. Societe D'Electro-chimie, D'Electro-metallurgie et des Acieries Electriques D'Ugine.
23803. Aktiengesellschaft Fur Industriegasverwertung.
23805. Bohac.
23832. Davidson & Co. Ld.
23914. I. G. Farbenindustrie Aktiengesellschaft.
23935. Linde.
23945. May & Baker Ld.
23957. Svenska Aktiebolaget Bromsregulator.
24015. Imperial Chemical Industries Ld.

Opposition Proceedings.

This is an opposition entered by W. Jefferies to the grant of a patent on application No. 23920 made by M. N. Pai.

Renewal Fees Paid

PATENTS.

8934. Chemische Fabrik Griesheim Elektron. (To 24th January 1939).
9021. W. T. Henley's Telegraph Works Co. Ld. (To 19th February 1939).
9059. Schonfeldt. (To 28th February 1939).
9255. W. R. Sykes Interlocking Signal Co. Ld., and ors. (To 30th April 1939).
9880. Winter and ors. (To 24th March 1939).
9926. Datta. (To 21st December 1938).
10980. Stuart. (To 12th January 1939).
10994. Chemische Fabrik von Heyden. (To 19th January 1939).
11157. Peter and ors. (To 8th April 1939).
12966. The Superheater Co. Ld. (To 8th February 1939).
13127. Every and ors. (To 24th April 1939).

13151. Fried Krupp Grusonwerk Aktiengesellschaft. (To 11th April 1939).
13198. The Westinghouse Brake & Saxby Signal Co. Ld. (To 25th April 1939).
13905. Wood. (To 3rd January 1939).
13938. Kodak Ld. (To 4th January 1939).
13965. Toyoda. (To 16th January 1939).
14031. International General Electric Co. Inc. (To 6th February 1939).
14098. I. G. Farbenindustrie Aktiengesellschaft. (To 27th February 1939).
14768. The Stirling Boiler Co. Ld. (To 25th January 1939).
15210. Lentz Patents Ld. (To 2nd January 1939).
15412. The British Thomson-Houston Co. Ld. (To 25th February 1939).
16554. Spencer. (To 4th January 1939).
16594. Fasting. (To 6th January 1939).
16621. Boyd and ors. (To 13th January 1939).
16700. Imperial Chemical Industries Ld. (To 18th February 1939).
16707. Sandqvist and anr. (To 10th February 1939).
16782. The Cold Metal Process Co. (To 10th March 1939).
16829. The Cold Metal Process Co. (To 22nd March 1939).
16847. The Superheater Co. Ld. (To 1st February 1939).
16935. J. Stone & Co. Ld. (To 1st May 1939).
17713. Beyer Peacock & Co. Ld. (To 19th January 1939).
17749. The British Thomson-Houston Co. Ld. (To 2nd February 1939).
17809. Hunter and ors. (To 23rd February 1939).
17811. International General Electric Co. Inc. (To 23rd February 1939).
17871. Runchhoddas. (To 18th March 1939).
17943. J. Stone & Co. Ld. (To 3rd May 1939).
18578. Merryweather & Sons. Ld. (To 17th December 1938).
18600. Cheney. (To 2nd January 1939).
18620. Societe D'Electrochmic, D'Electrometallurgie et Des Acieries Electriques D'Ugine. (To 2nd January 1939).
18621. Societe D'Electrochimic, D'Electrometallurgie et Des Acieries Electriques D'Ugine. (To 2nd January 1939).
18625. I. G. Farbenindustrie Aktiengesellschaft. (To 4th January 1939).
18626. The Yates Improved Rail Anchor Co. Ld. (To 4th January 1939).
18657. Societe Anonyme d'Etudes et de Constructions d'Appareils Mecaniques pour la Verrerie. (To 12th January 1939).
18673. George Turton Platts & Co. Ld. and anr. (To 18th January 1939).
18674. George Turton Platts & Co. Ld. and anr. (To 18th January 1939).
18691. John Levick Ld. and anr. (To 25th January 1939).
18692. John Levick Ld. and anr. (To 25th January 1939).
18725. International General Electric Co. Inc. (To 10th February 1939).
18737. International General Electric Co. Inc. (To 15th February 1939).
18790. Deutsche Gold und Silber Scheideanstalt Vormals Roessler. (To 7th March 1939).
18791. Deutsche Gold und Silber Scheideanstalt Vormals Roessler. (To 7th March 1939).
18890. Mackie. (To 2nd February 1939).
19487. Fraser and ors. (To 14th January 1939).
19514. Sturrock. (To 21st December 1938).
19532. Elektrotechnische Fabrik Schmidt & Co. G. m. b. H. (To 3rd January 1939).
19616. Imperial Chemical Industries Ld. (To 3rd February 1939).
19619. Harris and anr. (To 20th February 1939).
19646. Imperial Chemical Industries Ld. (To 13th February 1939).
19647. Imperial Chemical Industries Ld. (To 13th February 1939).
19688. C. C. Wakefield & Co. Ld. (To 9th March 1939).
20098. Allmanna Svenska Elektriska Aktiebolaget. (To 23rd January 1939).
20316. I. G. Farbenindustrie Aktiengesellschaft. (To 24th January 1939).
20515. Okabe. (To 8th January 1939).
20564. Marconi's Wireless Telegraph Co. Ld. (To 23rd February 1939).
20582. I. G. Farbenindustrie Aktiengesellschaft. (To 27th February 1939).
20606. I. G. Farbenindustrie Aktiengesellschaft. (To 13th February 1939).
20628. Freyssinet. (To 19th February 1939).
20668. Goodchild and anr. (To 8th March 1939).

Cessation of Patents.

9688. Raymond Concrete Piles Co.
13636. Baer.
16245. International General Electric Co. Inc.
18337. The Siemens and General Electric Railway Signal Co. Ld.
20235. Campbell.
20239. Pezzoni.
20241. Hugo Schneider Aktiengesellschaft.
20250. Chalmers and ors.
20254. Bishop.
21121. King.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets:—

Class 1. No. 62831. Maruti Ramchandra Mhaswadkar, of Utpatgalli, Village Panderpur, District Sholapur, British India. December 7, 1937.

Class 13. Nos. 62834 to 62845. E. D. Sassoon & Co. Ld., of E. D. Sassoon Building, Ballard Estate, Bombay, British India. December 9, 1937.

Class 13. Nos. 62847 and 62848. The Standard Mills Co. Ld., of 29, Rustom Building, Church Gate Street, Fort, Bombay, British India. December 14, 1937.

Class 13. Nos 62852 to 62859. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. December 15, 1937.

Class 13. No. 62861. Toyo Menka Kaisha, Ld., of No. 5, Royal Exchange Place, Calcutta, British India. December 15, 1937.

Class 13. No. 62862. E. D. Sassoon & Co. Ld., of E. D. Sassoon Building, Ballard Estate, Bombay, British India. December 17, 1937.

Class 14. No. 62860. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. December 15, 1937.

Extension of Copyright in Designs.

Copyright in the following design has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the design included in that entry:—

Class 1. No. 56383. Mohammed Hayat, Proprietor of Messrs. Hayat Trading Co., of Mohalla Teli, Rawalpindi City, Punjab, British India. January 17, 1933.

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(1)

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Looms. 24764.
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Springs and vibration dampers. 24513.
Steam engines and engine details. 24644.
Steam generators. 24778.
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(2)

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NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGAORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). . .	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

Bombay, the 21st December 1937.

Portions of the following note of the Bombay Office of Issue are stated to have been destroyed, and payment of its value has been claimed by the person whose name is placed against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
D-32 of 1937.	T/15-860127	100	Mr. Danzz Ker, Lahej, Aden.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, BOMBAY.

V. G. DESHMUKH,

Currency Officer.

IMPERIAL BANK OF INDIA.

NOTICES.

Calcutta, the 20th December 1937.

The following appointments on the Bank's Staff are hereby notified:—

Mr. H. J. Fitz-Patrick resumed charge of his appointment of Deputy Secretary and Treasurer, Bengal Circle, as from the close of business on the 18th December 1937, *vice* Mr. C. N. Nixon.

Mr. W. D. MacBey resumed charge of his appointment of Agent, Colombo Branch, as from the close of business on the 7th December 1937, *vice* Mr. A. J. Elder.

Mr. A. J. Elder resumed charge of his appointment of Assistant Inspector on the Central Office Staff as from the 8th December 1937.

E. P. STOCKER,

Deputy Managing Director.

Bombay, the 27th December 1937.

The following appointment on the Bank's Staff is hereby notified:—

Mr. C. H. S. Durand to be Agent at Ajmer Branch temporarily as from 22nd December 1937, *vice* Mr. J. E. Aitken.

A. McCULLOCH,

Secretary and Treasurer.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATION.

P. O. New Forest (Dehra Dun), the 26th December 1937.

No. 1036.—Dr. S. N. Kapur, Officer in charge Wood Seasoning Section, Forest Research Institute, Dehra Dun, is granted leave on average pay for 15 days with effect from the 4th January 1938, with permission to prefix X'mas and New Year's day holidays, and Sunday and Monday, the 2nd and 3rd January 1938, to his leave.

L. MASON,

Inspector General of Forests.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M.
Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 1st January 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Kistna Eastern Division.

NOTIFICATION.

Bezwada, the 6th December 1937.

No. 1887-M./P. 7.—It is notified that the following unendowed tombs in Saint John Cemetery at Bandar Fort, require repairs badly and in some cases the inscribed slabs are like y to fall out of place. In order to keep the tombs in good order and as required by paragraph 3 of G. O. No. 6, Finance, dated 4th February 1931, the relatives and friends of the deceased are hereby informed of the urgent necessity to finance the repairs of the tombs in question within three months from the date of notification, sending their communications to this office :—

List of unendowed tombs in St. John Cemetery at Bandar Fort.

Serial No. of tombs.	Description given on each tomb.
7	No name or description.
8	Do.
9	Do.
12	Sacred to the memory of Charlotti the beloved wife of Colonel T. King who departed this life on the 13th October 1833—Sunday 4 A.M. Aged 25 years and 1 month. How loved how valued once avails though to whom related or by whom became a heap of dust alone remain longer. It is all thou art and all proud still.
20	Sacred to the memory of Elizabeth Huges the beloved wife of Late Seb Hiant Hugh Hughes who departed this life on the 24th December 1830. Aged 58 years.
21	No name or description.
28	George the Infan Esq., of Mr. Hugkinson Born November 26th, 1811, died 18th January 1812.
41	No name or description.
42	Do.
47	Do.
72	Do.
80	Do.
82	Do.
90	Do.
92	Do.
93	Do.
94	Do.
103	Do.
104	Children come to me and forbid them not etc. Here lyeth the body of Sarah Newberry, who departed this life the 22nd Day of May 1790 aged 4 years and 3 months.
107	No name or description.
110	Do.
112	Do.
113	Do.
117	Do.
118	Do.
128	Sacred to the memory of Frederic Loset Van Ingen beloved son of Whilunmina M. Van Ingen who departed this life at Masulipatam on the 7th February 1864 aged 26 years 8 months and 22 days.

N. J. JOSEPH,
Executive Engineer,
Kistna Eastern Division.

The 28th November 1937.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATION.

New Delhi, the 29th December 1937.

No. D.-455 (11).—Mr. R. Alauddin, L.M.E., A.I.E.E. (America), Assistant Engineer (Inspection), Calcutta Circle, Indian Stores Department, is granted extension of leave on average pay from the 24th December 1937 to the 17th January 1938 in continuation of the leave on average pay for one month from the 24th November 1937 to the 23rd December 1937 notified under No. D.-455 (11), dated the 15th December 1937.

J. S. PITKEATHLY,
Chief Controller of Stores.

DEPARTMENT OF EXPLOSIVES.

NOTIFICATION.

Calcutta, the 20th December 1937.

No. E.-11 (1).—In this Department Notification No. E.-11 (1), dated the 8th July 1936 published on pages 962-967 of Part II of the Gazette of India, dated the 18th July 1936 insert "Cyclotrimethylene-Trinitramine, thoroughly purified" below the entry "Baelenite" in the list of explosives given under Class 3—Nitro-Compound, Division—2.

G. PEACE,
Chief Inspector of Explosives in India.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

New Delhi, the 23rd December 1937.

No. S.-133/3.—Mr. S. Banerji, B.A., B.Sc. (Tech.), A.M.I.E.E., Divisional Engineer. Wireless is granted leave out of India on average pay for eight months in continuation of his deputation to the International Telegraph and Telephone Conference and the International Conference of Radio Communications to be held at Cairo on the 1st February 1938.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 18th December 1937.

No. 12107-C.T./2-E./4.—In modification of this office order No. 11131-C.T./2-E./35, dated the 3rd December 1937 Mr. G. Rahman, acting Income Tax Officer, Dacca is reverted to his substantive appointment as Additional Income-tax Officer of that district for the period from the 24th December 1937 to the 2nd January 1938. He will however, remain in charge of the Income-tax Office, Dacca during that period.

Calcutta, the 20th December 1937.

No. 12381-C.T./2-E./4.—Mr. G. Rahman, M.A., Additional Income-tax Officer, Dacca, is, in addition to his own duties appointed to act as Income-tax Officer, Dacca with effect from the 3rd January 1938 until further orders during the absence on leave of Mr. P. C. Dutta, Income-tax Officer, Dacca.

S. N. BANERJEA,

Commissioner of Income-tax, Bengal.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 23rd December 1937.

No. 51.—Rai Bahadur A. K. Gupta, Divisional Superintendent was granted leave on average pay for 1 month and 3 days with effect from the 8th November 1937.

L. W. VAN SOMEREN,

Traffic Manager.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 22nd December 1937.

No. 146.—Mr. L. C. F. Mathieson, O.B.E., Senior Assistant Commercial, is granted leave on average pay for 8 months preparatory to retirement with effect from 6th January 1938 or subsequent date of relief to 5th September 1938.

C. F. CARSON,

Lt.-Col., R.E.,

Agent,

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 22nd December 1937.

No. 21620-S.-2063.—Mr. E. L. D'Abreu, Assistant Signal Engineer (Lower Gazetted Service) has been granted 4 months privilege leave with effect from 15th October 1937.

Mr. J. H. F. Raper, Chief Traffic Manager, has been granted 7 months and 2 days' combined leave (*viz.*, 3 months and 5 days privilege and 3 months and 28 days furlough on half pay) with effect from 1st November 1937.

Mr. W. Hood, Deputy Chief Engineer 'Bridges', has been granted 11 months combined leave (*viz.*, 2 months 5 days privilege, 4 months furlough on full pay and 4 months and 25 days furlough on half pay) with effect from 19th November 1937.

Mr. Nazir Sani, Assistant Engineer (Lower Gazetted Service) was granted 20 days leave on average pay from 4th December 1937.

Mr. L. L. Harrison, Loco Foreman (Subordinate Cadre) has been appointed to officiate as Assistant Transportation Superintendent in the Lower Gazetted Service with effect from 20th October 1937.

Mr. H. Smith, Assistant Transportation Superintendent (Lower Gazetted Service) was granted 1 day's privilege leave on 7th December 1937.

Mr. H. C. Baral, Assistant Transportation Superintendent (Junior Scale) was granted 14 days' leave on average pay with effect from 6th December 1937.

Mr. G. W. Tuffield, Assistant Transportation Superintendent (Senior Scale) was granted 1 day's privilege leave on 7th December 1937.

Mr. R. B. Lal, Assistant Transportation Superintendent (Junior Scale) was appointed to officiate in the Senior Scale from 30th October 1937, to 1st December 1937.

L. WILSON,

Agent.

REGISTERED No. L. 3131

The Gazette of India

NEW DELHI, SATURDAY, JANUARY 8, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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E. V. GREGORY,

Offg. Manager of Publications.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for September 1937.

(In lakhs of Rupees.)

—	For September.		To end of September.		Whole year.	
	1936-37.	1937-38.	1936-37.	1937-38.	Revised, 1936-37.	Budget, 1937-38.
Revenue.						
Customs	3,88	3,62	23,06	21,10	47,07	42,61
Central Excise Duties		58		4,11		7,16
Corporation Tax	1,18	8	4,70	25	13,92	1,45
Taxes on Income other than Corporation Tax		1,47		4,89		12,85
Salt	59	66	4,06	4,13	8,41	8,25
Opium	8	8	35	35	47	49
Railways—						
Gross receipts	6,65	7,23	45,23	48,55	96,70	96,10
Deduct—Working Expenses	*5,88*	*5,91*	*31,75*	*32,08*	*63,82*	*63,95*
Surplus Profits	*4*	..	*33*	*43*	*42*	*39*
Payments to Worked Lines	*12*	*13*	*1,34*	*1,43*	*2,97*	*2,88*
Net receipts	61	1,19	11,81	14,61	29,49	28,88
Subsidised Companies	..	..	3	2	18	[illegible]
Miscellaneous Railway Receipts	6	..	7	4	91	[illegible]
Posts and Telegraphs—Net receipts	—1	7	—3	27	82	77
Other heads	25	28	1,78	1,52	5,43	10,48
Total	6,64	8,03	45,83	51,29	1,06,70	1,14,20
Expenditure.						
Railway Revenue Account—						
Interest and other charges	8	20	6,27	6,25	30,24	29,99
Interest on Debt—Gross	1,76	1,15	17,79	16,32	35,71	35,37
Deduct—Amount chargeable to—						
Railways	..	*16*	*5,42*	*5,36*	*28,22*	*28,18*
Irrigation	..	..	..	..	*2*	*7*
Posts and Telegraphs	..	..	..	..	*79*	*73*
Salt and other Commercial Departments	..	..	..	..	*8*	*7*
Provincial Loans Fund	..	..	..	..	*7,97*	..
Provincial Governments	..	..	..	..	..	*5,53*
Net charges	1,76	99	12,37	10,96	—1,37	79
Defence Services (Net)	3,07	3,39	20,28	22,51	44,62	44,62
Other heads	1,93	2,00	12,23	13,74	40,19	38,73
Total	6,84	6,58	51,15	53,46	1,13,68	1,14,13
Expenditure not charged to Revenue	23	13	3,15	2,73	3,29	[illegible]
Debt Heads—						
Permanent Debt (Net) India	—1	—1	+11,78	—9	+11,70	—11
Ditto England	+3	—12	—23,82	—1,54	—25,24	—2,84
Treasury Bills (Net) India	+7,67	+2,29	+10,63	+7,95	—2,44	+4,00
Ditto England	..	..	..	..	..	..
Ways and Means Advances (Net) India	—1,00	..	..	..	..	..
Ditto England	..	..	..	..	..	..
Provincial Transactions (Net)	—1,00	..	—3,03	..	—4,35	..
Other Debt Head Transactions (Net)	+2,15	+2,80	+11,64	—3,12	+27,15	—3,65
Total	+7,84	+4,96	+7,20	+3,20	+6,82	— 2,60
Total Transactions	+7,41	+6,28	—1,27	—1,70	—3,45	—8,19
Revenue less expenditure in Burma not included in the figures in columns 1936-37.	+40	..	+2,64	..	+5,06	..
Opening Balance	8,83	2,81	15,27	10,79	15,27	16,88
Closing Balance	16,64	9,09	16,64	9,09	16,88	8,69

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England and India respectively cancel each other.

NEW DELHI;

Dated the 20th December 1937.

T. K. RAJAGOPALAN,
Accountant General, Central Revenues.

CURRENCY NOTES.

Madras, the 23rd December 1937.

Portions of the following Currency Note of the Madras Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
S/85-103722	100	Gurushidappa Siddappa Mudiannavar, Clerk, Dalal Shop, Mangalwarpet, Hubli.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, MADRAS.

V. S. MARBALLI,

Currency Officer.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE.

NOTIFICATION.

New Delhi, the 30th December 1937.

No. 11115.—Dr. M. Mitra, Assistant Mycologist, Imperial Agricultural Research Institute, New Delhi, is granted leave on average pay for 14 days, from the 10th December 1937.

B. VISWA NATH,

Director.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATION.

P. O. New Forest (Dehra Dun), the 5th January 1938.

No. 8.—The leave granted to Dr. S. N. Kapur, Officer in Charge, Wood Seasoning Section, Forest Research Institute, Dehra Dun, in this office notification No. 1036, dated the 26th December 1937, is hereby cancelled.

L. MASON,

Inspector General of Forests.

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K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 8th January 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

INDIAN COAL GRADING BOARD.

NOTIFICATION.

Calcutta, the 30th December 1937.

No. 4.—The following Additions have been made to the list of Grade Coals during the quarter ending 31st December 1937 and are notified for general information :—

Name of Owner.	Name of Colliery.	Name or No. of Seam.
ADDITIONS.		
LOW VOLATILE COAL.		
(BARAKAR AND KARHARBAREE SERIES.)		
SELECTED GRADE.		
Up to, but not exceeding 13 per cent. ash and over 7,000 calories.		
The Indian Iron & Steel Co., Ltd. (Managing Agents : Messrs. Burn & Co.)	Ramnagar	Laikdih. Top 8′—1″ Section.
HIGH VOLATILE COAL.		
(RANIGUNJ SERIES.)		
GRADE I (ONE).		
Up to, but not exceeding 13 per cent. ash and over 6,300 calories. Under 9 per cent. moisture.		
G. Hampar, Esq.	Khas Sathgram . . .	Sathgram. Bottom 12′—9″ Section.
Agarwalla Bedi, & Co.	Northbrook . . .	Sathgram. Bottom 11′—6″ Section.

S. N. BANERJI,
Secretary,
Coal Grading Board.

J. R. HARRISON,
President,
Coal Grading Board.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATION.

New Delhi, the 30th December 1937.

No. D.-357 (17).—Mr. T. G. Banerji, B.Sc. (Cal.), B.Sc. Met. (London), A.R.S.M. (London), Assistant Engineer (Inspection), Metallurgical Inspectorate, Indian Stores Department, is granted leave on average pay from the 20th December 1937 to the 17th January 1938, with permission to affix to the leave Sunday the 19th December 1937.

J. S. PITKEATHLY,
Chief Controller of Stores.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 3rd January 1938.

No. S.-134/7.—Mr. J. W. Shallcross, Deputy Assistant Engineer, Wireless, Grade A, is permitted to retire from service with effect from the 14th March 1938.

No. S.-107/26.—Mr. Shanti Swarup, a probationer in the Superior Telegraph Engineering Branch, is granted earned leave on average pay for 16 days with effect from the 8th December 1937.

New Delhi, the 6th January 1938.

No. S.-107/23.—In supersession of this Department Notification No. S.-107-23, dated the 22nd September 1937, Mr. M. Mohammad Hussain, Assistant Divisional Engineer, Telegraphs, is granted earned leave for ten days with effect from the 7th September 1937.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona 5, the 27th December 1937.

No. G.-33272/P.-109.—Dr. S. Mal, M.Sc. (Benares), Ph.D. (London), D.I.C., F.R.Met. Soc., Assistant Meteorologist, on being relieved of his duties at the Meteorological Office, Karachi on the afternoon of the 8th December 1937, has been transferred to the Meteorological Office, Alipore, Calcutta.

No. G.-33273/P.-109.—Mr. S. N. Roy Choudhuri, M.Sc. (Cal.), Offg. Professional Assistant, Karachi, has been appointed to officiate as Assistant Meteorologist with effect from the afternoon of the 8th December 1937, *vice* Dr. Mal in transit.

C. W. B. NORMAND,

Director-General of Observatories.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 5th January 1938.

No. 180-An.—Mr. P. G. Mukherjee, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions, has been granted privilege leave for four months with effect from the forenoon of the 3rd January 1938, with permission to prefix the Christmas and New Year's day holidays and Sunday from the 24th December 1937 to the 2nd January 1938 to this leave.

No. 181-An.—Mr. Dina Nath, an officiating Deputy Assistant Controller of Royal Air Force Accounts in the office of the Controller of Royal Air Force Accounts reverted to his substantive grade with effect from the afternoon of the 4th December 1937.

New Delhi, the 6th January 1938.

No. 182-An.—Mr. Ata Ullah Kalim, Assistant Controller of Military Accounts, Northern Command, is granted earned leave for 21 days with effect from the 3rd January 1938 with permission to prefix thereto the Christmas and New Year holidays from the 25th December 1937 to the 1st January 1938 and Sunday the 2nd January 1938.

M. R. COBURN,

Military Accountant General.

INCOME-TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 27th December 1937.

No. 12539-C. T.—Mr. J. C. Bhattacharjee, M.Sc., Additional Income-Tax Officer, District I (2), Calcutta, is transferred to Jalpaiguri-Darjeeling and is appointed temporarily to act as Income-Tax Officer of that district *vice* Mr. S. P. Roy, B.A., granted leave.

No. 12540-C. T.—Mr. F. C. Chopra, Income-tax Officer, District IV(3), Calcutta, is transferred to Rajshahi-Pabna as Income-tax Officer of that district *vice* Mr. M. Mannan, B.Sc., on leave.

S. N. BANERJEA,

Commissioner.

EASTERN BENGAL RAILWAY.

NOTIFICATIONS.

Calcutta, the 23rd December 1937.

No. 50.—Mr. F. A. de la Nougerede, District Controller of Stores was granted leave on average pay for 22 days with effect from the 26th July 1937.

W. M. McGREGOR,

Controller of Stores.

Calcutta, the 27th December 1937.

No. 52.—Mr. S. C. Biswas, Officiating Executive Engineer, is granted leave on average pay for 4 months with effect from the 14th January 1938 or subsequent date of relief.

E. L. MANLEY,

Chief Engineer.

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ACTS AND LAW BOOKS.

Acts.

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1908.

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1911.

VIII.—INDIAN ARMY ACT.—As modified upto the 15th October 1937. *As. 4 or 5d.*

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1934.

XXV.—FACTORIES ACT.—As modified upto the 15th August 1937. *As. 2 or 3d.*

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Acts—*contd.*

1937.

XXIII.—PETROLEUM (BERAR EXTENSION) ACT. *Anna 1 or 1½d.*

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XXV.—FEDERAL COURT ACT. *Anna 1 or 1½d.*

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AGRICULTURE AND ANIMAL HUSBANDRY IN INDIA—

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AGRICULTURE AND LIVESTOCK IN INDIA—

ICAR.14.VI. Vol. VI, 1936, Index. *As. 5 or 6d.*

ICAR.I.VII.6. Vol. VII, Part VI, November 1937. *Rs. 2 or 3s. 6d.*

Contents :—

Two Directors Retire.

Judging Cattle. (Littlewood).

The Biological Control of Insect Pests. (Isaac).

Sons of the Soil (Studies of the Indian Cultivator). VI. The Maratha Cultivator. (Burns).

Vitamin—A Study of Ghee. Part VI. Action of Sunlight and a New Test for Detecting the Development of Rancidity. (Banerjee and Dastur).

The Indian Village.—Its Past, Present and Future. (Venkatraman).

A Note on Compositing Organic Matter by the Use of Chemical Starters. (Gadgil and Hegdekatti).

Veterinary Science in India, Ancient and Modern, with Special Reference to Tuberculosis. (Iyer).

Bionomics of the Swarming Caterpillar of Paddy in South India. (Anantanarayanan and Ayyar).

The Refrigerated Gas-storage of Fruits and Vegetables. (Karmarkar).

Common Contagious and Parasitic Diseases of Poultry in India and their Control. (Kaura).

Cabbage *Aphis-Siphocoryne indobrassicae* and its Control with Home-made Nicotine Spray. (Deshpande).

FOREST RESEARCH IN INDIA—

PROGRESS REPORT OF—

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INDIAN FOREST RECORDS—

ENTOMOLOGY SERIES (NEW)—

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INDIAN JOURNAL OF AGRICULTURAL SCIENCE—

ICAR.5.VII.6. Vol. VII, Part VI, December 1937. *Rs. 3 or 5s. 3d.*

Contents :—

Observations on Phyllody of Sesamum in Burma (with three text-figures). (Rhind, Odell and Thet Su).

Studies in Indian Oil-seeds, VI. Some Correlations between Oil-content and other Characters in the Pusa Linseed Hybrids (with Plate LXXI). (Deshpande and Mallik).

AGRICULTURE AND FORESTRY—*contd.*

INDIAN JOURNAL OF AGRICULTURAL SCIENCE—*contd.*

Vol. VII, Part VI, December 1937—*contd.*

Contents—*contd.*

Breeding Investigations in some of the Oleiferous *Brassicae* of the Punjab (with Plate LXXII). (Mohammad and Sikka).

Colours in the Rice Grain (with Plates LXXIII-LXXVI). (Ramiah and Mudaliar).

A Note on Two New Genes affecting Anthocyanin Pigmentation in Asiatic Cottons. (Hutchinson and Ghose).

Effect of Farmyard Manure on Fibre-Characters of Cotton (with seven text-figures). (Nayak).

The Influence of Non-nitrifying Organisms on Nitrification. (Desai and Fazal-ud-Din).

The Black Beetle (*Alissonotum Impressicolle Arr.*): A Pest of Sugarcane in Myitkyina District in Northern Burma (with Plates LXXVII and LXXVIII and five text-figures). (Ghosh).

INDIAN JOURNAL OF VETERINARY SCIENCE AND ANIMAL HUSBANDRY—

ICAR.6.VII.4. Vol. VII, Part IV, December 1937. *Rs. 2 or 3s. 6d.*

Contents :—

Cross-bred and Grade Dairy Cattle in India (with Plates XVII-XX). (Macguckin).

On the Treatment of *Babesia bigemina* infection in Cattle in India. (Idnani).

The Effect of High Protein Feeding on Milch Cows. (Seshan).

The Occurrence of Air-sac Mite, *Cytoleichus nudus* (Vizioli 1870), in Fowls in India (with Plate XXI). (Kaura and Iyer).

A Note on the Method for the Determination of the Calcium Requirement of Man. (Hye).

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Geology.

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Contents :—

Richard Dixon Oldham : Born 30th July, 1858 : Died 15th July 1936.

Notes on the Geology of the Second Defile of the Irrawaddy River (with Plate 28). (Clegg).

Discovery of *Orbitolina*-bearing rocks in Burma : with a description of *Orbitolina birmanica*, sp. nov. (with Plates 29 and 30). (Sahni).

Note on rocks in the vicinity of Kyaukse, Burma. (Clegg).

ARTS AND SCIENCES—*contd.*

Geology—*contd.*

RECORDS OF THE GEOLOGICAL SURVEY OF INDIA—*contd.*

Vol. 71, Part 4—*contd.*

Contents—*contd.*

A Mesozoic coniferous wood (*Mesembrioxylon shanense sp. nov.*) from the Southern Shan States of Burma (with Plate 31). (Sahni).
Some Foraminifera from Intertrappean beds near Rajahmundry (with Plates 32 and 33). (Narayana Rao and Sripada Rao).
Holosporella cf. *H. siamensis Pia*, from the Rajahmundry limestones. (Narayana Rao and Sripada Rao).
A Note on the Maleri beds of Hyderabad State (Deccan) and the Tiki beds of South Rewa (with Plate 34). (Aiyengar).
The Structure of the Himalaya in Garhwal (with Plates 35 to 37). (Auden).
Miscellaneous Notes—
An inclusion of coaly shale in Deccan Trap at Indore, Central India.
Octahedral Pyrite Crystals from the Kohat District, North-West Frontier Province.
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MO-P 21(N) **DIRECTORS, NO. 8, MARK I AND NO. 10, MARKS I AND II.** Parts List for—(Home), 1936. *(not for sale).*

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QUESTION PAPERS—

MGS-E 52(N) February-March 1937. *(not for sale).*

HANDBOOKS—

ARTILLERY INSTRUMENTS AND RANGE-FINDERS, PART I (WAR OFFICE)—

MO-H 49(N) Section 14, 1933. *(not for sale).*

MO-H 50(N) **ORDNANCE, M. L. 3-INCH MORTAR, MARK II,** On mounting, 3-inch Mortar, Mark I (Land Service), 1937. *(not for sale).*

MO-N 5(N) **INDIAN ARMY ORDNANCE CORPS. NOMINAL ROLL** of British Officers, Warrant and Non-Commissioned Officers and Civilian and Military Assistant Storekeepers serving in the —, 1937. *As. 8 or 10d.*

INSTRUCTION BOOKS AND PAMPHLETS—

SPECIAL TECHNICAL INSTRUCTION—(ENGINEER-IN-CHIEF'S)—

ME-S 6(N) No. 4 of 1937. *(not for sale).*

MQ-R 24(N) **JOURNEYS OF ARMY PERSONNEL ON LEAVE OR FURLOUGH.**—Reduced fare concessions provided by the Railway Companies and certain Steamship Companies at Home (War Office), 1937. *(not for sale).*

MILITARY—*contd.*

LIST OF CHANGES IN WAR MATERIAL AND OF PATTERNS OF MILITARY STORES FOR H. M.'S ARMY SERVING IN INDIA—

MO-LC 12/37 — December 1937. (*not for sale*).

MANUALS—

ANTI-AIRCRAFT DEFENCE (ARMY UNITS) (HOME)—

MGS-M 112(N) — War, 1937, Vol. II. (*not for sale*).

REGULATIONS—

MO-R 69(N) — **ORDNANCE SERVICES.** Army (War Office), Part I, 1937. (*not for sale*).

MCR-R 282(N) — **REGULATIONS AND MANUALS** (other than Training and Field Service Manuals).

AUTHORISED SCALES OF ISSUE, 1937. *Re. 1 or 1s. 9d.*

REPORTS—

EXAMINATION FOR CERTIFICATES "A" AND "B" (WAR OFFICE)—

MGS-R 119(N) — March 1937. (*not for sale*).

ROUTES—

MGS-R 121(N) — **NORTH OF KABUL RIVER,** 1937. (*not for sale*).

MGS-R 118(N) — **SOUTH OF KABUL RIVER,** 1937. (*not for sale*).

TRAINING MANUALS—

MGS-C 40(N) — **CAVALRY TRAINING** (Horsed) (War Office), 1937. *Re. 1-8 or 2s.*

SYLLABUS OF TRAINING—

MGS-S 154(N) — **UNIVERSITY TRAINING CORPS, INDIAN TERRITORIAL FORCE,** 1937. (*not for sale*).

WAR EQUIPMENT TABLES (INDIA) (NEW SERIES)—

CAVALRY—

MCR-W 1/195(N) — British Regiment, 1937. I. A. F. F. 980-17-A. (*not for sale*).

SIGNALS—

MCR-W 1/196(N) — General Headquarters, No. 1 Company, 1937. I. A. F. F. 980-100-A. (*not for sale*).

TRADE AND COMMERCE.

Industrial.

STANDARD SPECIFICATION—

INDIAN RAILWAY— *As. 8 or 10d. each.*

E 1-37.	Dynamos for Train Lighting (5 ft. 6 ins. and Metre Gauge).
E 6-37	Wire Inter-Vehicle Electric Couplers for B. G. and M. G. Coaching Vehicles.
E 9-37	Locomotive Electric Headlight and Lighting Equipment (5′ 6″ and Metre Gauge).
M 16-28	Mild Steel Sheets (under 3/16 inch in thickness).
R 18-37	Steel Straight Axles for Locomotives and Tenders (Applicable to all Gauges).
R 20-34	India-Rubber Buffing, Draw and Auxiliary Bearing Springs.
R 29-37	Steel Plates for Inside Fireboxes for Locomotives (Plain and flanged).
S 3-34	Galvanised Steel Wire Rope for Signalling Purposes.

INDIAN STORES DEPARTMENT— *As. 8 or 10d. each.*

G/Metals-45B. (Revised October 1937).	Lead Sheet.
G/Metals-46B. (Revised October 1937).	Pig Lead.
G/Misc.-64B. (Revised September 1937).	Glass, Plate and Sheet.
G/Tex/Misc.-50.	Garpets, Handmade for Indian State Railways.
P. I-135B. (Revised November 1937).	Motors, induction, with class A insulation.

TRADE AND COMMERCE—*contd.*

Periodicals.

BUSINESS CONDITIONS IN INDIA—

MONTHLY SURVEY—

DGCIS.40.10.37. October 1937. *Re. 1-10 or 2s. 9d.*

COTTON SPINNING AND WEAVING IN INDIAN MILLS— *As. 10 or 1s. each.*

DGCIS.12.6.37. June 1937.

DGCIS.12.7.37. July 1937.

EXPORTS OF INDIAN ARTWARE AND SPORTS GOODS—

DGCIS.14.9.37. September 1937. *Re. 1-2 or 2s.*

INDIAN CUSTOMS REVENUE—

DGCIS.15.10.37. October 1937. *Anna 1 or 1½ d. each.*

DGCIS.15.11.37. November 1937.

INDUSTRIES OF INDIA. MONTHLY STATISTICS OF THE PRODUCTION OF CERTAIN SELECTED— *As. 2 or 3d. each.*

DGCIS.16.7.37. July 1937.

DGCIS.16.8.37. August 1937.

JOINT STOCK COMPANIES—

DGCIS.17.7.37. July 1937. *As. 10 or 1s.*

TRADE AND NAVIGATION—

BRITISH INDIA. MONTHLY ACCOUNTS RELATING TO—

Coasting—

DGCIS.11.8.37. August 1937. *Rs. 4 or 6s. 9d.*

Sea-borne—

DGCIS.13.10.37. October 1937. *Re. 1-6 or 2s. 3d.*

TRADE AT STATIONS ADJACENT TO LAND FRONTIER ROUTES— *As. 14 or 1s. 6d. each.*

DGCIS.18.7.37. July 1937.

DGCIS.18.8.37. August 1937.

TRADE OF INDIA—

INLAND (RAIL AND RIVER-BORNE). ACCOUNTS RELATING TO—

DGCIS.19.6.37. June 1937. *Rs. 2-2 or 4s.*

TRADE STATISTICS—

MARITIME STATES IN KATHIAWAR AND THE STATE OF TRAVANCORE— *Rs. 3-6 or 5s. 9d. each.*

DGCIS.20-8-37. August 1937.

DGCIS.20-9-37. September 1937.

RAW COTTON—

DGCIS. 21-7-37. July 1937. *Re. 1-12 or 3s.*

NOTICE.—Books and Acts required for private use must be purchased. Application should be accompanied by a remittance, unless it is wished that the book should be sent by value-payable post. Books and Acts required for the public service should be obtained through the Local Government to whom the applicant is subordinate.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, JANUARY 15, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

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A discount of 25 per cent. on the above rates is allowed to all Central and Local Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 15th January 1938.

SPECIAL NOTICE.

There was no notification on the 8th January 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

January 3, 1938.

24780. T. Chester. Improvements in or relating to air cooling or conditioning. (December 29, 1936).

24781. Society of Chemical Industry in Basle. Process for the manufature and purification of compounds of the suprarenal cortical hormone series.

24782. J. F. Haig & Co., Ld. and J. F. Haig. Improvements in or relating to sleeve cuffs.

24783. The United Wire Works, Ld. Improvement in the manufacture of papermakers' wire cloth. (April 23, 1937).

24784. K. Mitterbiller-Epp. Process of recovering colloidally and molecularly dissolved substances in solid form.

24785. L-Gardner & Sons Ld. Improvements in or relating to means for varying the fuel supply to internal combustion engines. (January 1, 1937).

24786. S. S. Sastry. Improvements in or relating to thermionic valve circuits for wireless systems.

24787. Metal Carbides Corporation. Metal working processes and products. (July 7, 1937).

24788. A. G. Kershaw and Westinghouse Brake and Signal Co. Ld. Improvements relating to point or signal operating levers for railways and the like. (February 12, 1937).

24789. Universal Oil Products Co. Process for producing hydrocarbons of high antiknock value and boiling within motor fuel boiling range.

24790. Metallgesellschaft Aktiengesellschaft. Process for the catalytic synthesis of hydrocarbons.

24791. Telefunken Gesellschaft Fur Drahtlose Telegraphie m. b. H. Improvements in or relating to cathode ray tubes.

24792. J. Brandwood. Improvements in or relating to the production of folded textile threads.

24793. Ehrich and Graetz Aktiengesellschaft. Improvements in or relating to the feeding of liquid fuel.

24794. Societe De Realisation Des Brevets Et Procedes Xyloid. New plastic material and process for manufacturing the same.

24795. V. S. Keshav. Epi-dia-scope.

24796. Paris Crown Seals Ld. Improved capsule for bottles, jars and the like.

24797. Otto Raz. An improved combination radio and clock cabinet.

24798. J. W. Hoag. Method and apparatus for treating materials.

24799. Societe Internationale De Participations Industrielles Et Commerciales, Societe Anonyme. Process and apparatus for making elastic threads. (May 6, 1937).

24800. Dr. H. Berkel. Improved process for opening up materials containing cellulose.

24801. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to radio and other carrier wave receivers. (April 6, 1937).

24802. T. G. Nyborg and The Mining Engineering Co. Ld. Improvements in or relating to the extraction of dust from air and gases by spraying with liquids. (July 16, 1937).

24803. Automatic Telephone and Electric Co. Ld. Improvements in telephone systems and automatic switches suitable for use therein. (February 1, 1937).

24804. Osterreichische Glasfabriken Und Raffinerien Josef Inwald A. G. Improveed method of manufacturing light diffusing glass articles. (February 5, 1937).

24805. R. H. Whitelegg, and Whitelegg and Roggers Ld. Improvements in or relating to grease guns. (April 24, 1937).

24806. J. J. Munson. Rolling mills.

24807. Telefunken Gesellschaft fur drahtlose Telegraphie m. b. H. Improvements in or relating to neutralisation circuits suitable for use in short wave radio and like transmitters.

24808. B. Blakemore and The Lancashire Metal Subliming Corporation Ld. Improvements in or relating to the low temperature distillation of liquid or solid carbonaceous material.

24809. N. V. De Bataafsche Petroleum Maatschappij. Process for the manufacture of high-pressure lubricants.

24810. Parks-Cramer Co. Liquid atomizing devices.

January 4.

24811. O. Lefnaer. Process of working internal combustion engines by pulverised fuels, particularly coal dust internal combustion engines.

January 5.

24812. H. Goerz and A. Rennert, trading as Achslager-syndikat. Improvements in and relating to lubricating devices for axle boxes and the like.

24813. Binny & Co. (Madras) Ld. Method of and apparatus for removing the husks from betel nuts and the like nuts.

24814. G. B. Bakle. A manner of and type font for printing devanagari or like scripts.

January 6.

24815. A. Hakim. Improvements in or relating to hand pumps.

24816. K. B. Tarkar. An improved metal goblet.

January 7.

24817. M. N. Goswami. Manufacture of synthetic plastics from vegetable, animal and marine oils.

24818. R. M. Green. Improvements in refrigerating systems.

24819. J. Stone & Co. (India) Ld. Packless gland cock.

24820. C. K. Morrison. Improvements in and relating to machines for rolling rubber coagulum. (February 12, 1937).

24821. R. D. Shroff. Improvements in and relating to multiple effect evaporation processes and apparatus for juices and other liquids.

24822. The Indian Hume Pipe Co., Ld. Apparatus for manufacturing reinforcing cages for concrete pipes culverts, columns and the like.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23494. Callender's Cable and Construction Co., Ld. Improvements in or relating to electric cables. (December 11, 1935). *Deformable semisolid dielectric which regains its shape after removal of stress.*

23503. R. J. Penny and H. J. Worthington. Improvements in and connected with pedals for foot-propelled bicycles. *Prismatic reflectors in containers fixed on pedals.*

23538. Libbey-Owens-Ford Glass Co. Improvements in apparatus for tempering glass. *Sheet subjected to both heating and cooling in horizontal position while travelling on roller conveyor.*

23566. Ercole Marelli and C., Societa, Anonima. Improvements in the direct current dynamo electric machines. *A differential series winding and an additional series winding.*

23576. C. C. Wakefield and Company Limited. Improvements in or relating to reciprocating pumps for lubricators. (February 13, 1936). *Plunger comprises pivotally connected elements.*

23591. Siemens-Schuckertwerke Aktiengesellschaft. Improvements in and relating to alternating current switching devices. (December 14, 1936). *Contacts are separated in the neighbourhood of zero-current passage.*

24080. S. C. De. Improved reflector for artificial lighting. *Two parabolic surfaces at an angle.*

24146. M. D. Heyman. Improvements in or relating to feeding machanisms for punch presses. *An intermittently driven support having replicas corresponding to the finished form of the punched workpiece.*

24311. Hume Steel Ld. Improvements in the construction of metal poles and the like. *Plurality of tubular sections united by tapered end portions provided with inter-engaging long pitch screw threads expressed therefrom.*

24415. Gresham & Craven, Ld. Improvements in relief valves for vacuum systems. *Piston type valve exposed to atmosphere and vacuum on opposite sides.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each:—

23036. I. G. Farbenindustrie Akt.
23172. Watson and Insular Lamps (Sydney) Ld.
23198. Kadenacy, and Armstrong Whitworth Securities Co., Ld.
23366. Continental Can Co. Inc.
23413. Warde.
23416. Altman.
23426. Marconi's Wireless Telegraph Co., Ld.
23432. Lambert.
23435. Astbury and Chibnall.
23457. Siganporia.
23463. The American Rolling Mill Co.
23470. Mani.
23477. Dr. C. Otto & Comp. G. m. b. H.
23488. Korach and Dal Borgo.
23496. Unger.
23505. Gerrard Industries Ld.
23507. Kleentainers (British and Overseas) Ld.
23521. National Malleable and Steel Castings Co.
23586. Ronag A. G.
23593. Chobert.
23612. Baier.
23616. Gascoigne and Knox.
23620. H. G. Ferguson (commonly known as Harry Ferguson).
23631. I. G. Farbenindustrie Aktiengesellschaft.
23637. Dirks.
23647. Nier.
23652. Copper Sheets Manufacturing Co., Ltd.
23666. The General Electric Co., Ld.
23670. Eisenwerk-Gesellschaft Maximilianshutte.
23691. Harrap.
23707. Magnani.
23757. Societe Robert Descendre and Leblanc.
23790. American Magnesium Metals Corporation.
23815. R. G. Le Tourneau Inc.
23834. James F. Low and Co. Ld. and Lambert.
23849. N. V. De Bataafsche Petroleum Maatschappij.

23898. Elektro-Thermit G. m. b. H.
23918. Jan.
23936. The General Electric Co. Ld.
23940. Koppers Co.
23951. Chocksee.
23965. Mohr.
23984. Paschke and Peetz.
23996. Broom and Wade Ld.
24000. American Re-enforced Paper Co.
24004. Morely.
24012. Varvel.
24047. Societe Francaise de Filtrage et d'Epuration des Eaux La Masse Filtrante Korff, Society Anonyme.
24049. Les Usines De Melle and Boinot.
24070. Universal Oil Products Co.
24095. Wachha and Ghadiali.
24096. Dunlop Rubber Co. (India), Ld.
24101. Imber.
24115. Saxby & Farmer (India) Ld.
24128. The British Tabulating Machine Co., Ld.
24130. Moos.
24155. I. G. Farbenindustrie Aktiengesellschaft.
24227. Ruhrchemie Aktiengesellschaft.
24254. General Railway Signal Co., Ld.
24261. Det Norske Aktieselskab For Elektrokemisk Industri.
24264. Davis.
24287. J. B. Norton & Sons, Ld.
24291. Ellis.
24293. Schwartz and Chavannes.
24294. Schwartz and Chavannes.
24296. Schwartz and Chavannes.
24298. Universal Oil Products Co.
24306. Shepherd.
24308. Neunkircher Eisenwerk A. G., formerly known as Gebruder Stumm.
24325. Rawes.
24327. E. I. du Pont de Nemours and Company, and Westbrook.
24333. Universal Oil Products Company.
24348. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain Chauny and Cirey.
24349. Sidhwa and Sidhwa.
24354. Simpson.
24364. The General Electric Company, Limited.
24369. Flick.
24376. N. V. Philips' Gloeilampenfabrieken.
24463. James F. Low and Company Limited and Lambert.
24624. The General Electric Co., Ld.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23107. The General Electric Co., Ld.
23145. Farrer.
23146. Pierpoint and Crouch.
23160. Standard Telephones and Cables, Ld.
23162. Standard Telephones and Cables, Ld.
23165. Ray-D-Ize Corporation.
23176. Standard Telephones and Cables, Ld.
23180. Warren.
23181. Warren.
23189. Rust Proofing Co. of Canada, Ld
23237. International General Electric Co. of New York, Ld.
23316. The General Electric Co., Ld.
23453. Banerji.
23497. Doshi.
23498. Lalji Vanmali Das & Bros.
23529. Karsondas.
23550. Stableford.
23582. Schmittutz.
23607. Sidhwa and Sidhwa.
23667. Vacseal Containers, Ld., and Phillips.
23700. "Snia Viscosa" Societa' Nazionale Industria Applicazioni Viscosa.
23746. Fawcett.
23828. Davidson and Co., Ld.
23845. Greysham and Co.
23911. The General Electric Co., Ld.
23933. Singh.
23986. Sprenger
23988. The General Electric Co., Ld.
24005. Radio Corporation of America.
24008. Photosculpture, Ld.
24011. Pestarini.
24013. Radio Corporation of America.
24016. Hughes and (Mrs.) Hughes.
24030. The Heatly-Gresham Engineering Co., Ld.
24040. Ruhrchemie Aktiengesellschaft.
24044. Universal Oil Products Co.
24050. Hoare & Co. (Engineers), Ld.
24065. Ruhrchemie Aktiengesellschaft.
24067. Ronag A. G.
24068. Ronag A. G.
24069. Automatic Telephone and Electric Co., Ltd.
24126. Fitzgerald.
24339. Automatic Telephone and Electric Company, Limited.

Patents Sealed.

23081. Hassanally & Sons.
23082. Walker.
23093. Tebbitt and Compressed Paper Packing Ld.
23101. Lohmann Aktiengesellschaft.
23142. Ferretti.
23338. Sir Hari singh Gour, Kt.
23067. Allis-Chalmers Manufacturing Co.
23068. Allis-Chalmers Manufacturing Co.
23600. American Steel Foundries.
23661. J. Stone & Co. Ld.
23762. Ismay Dirks Appliances Ld.
23881. Metropolitan-Vickers Electrical Co., Ld.
23930. Expanded Rubber Co., Ld.
23956. I. G. Farbenindustrie Aktiengesellschaft.
23962. Universal Oil Products Co.
23975. Kreidl.
23987. The General Electric Co. Ld.

Opposition Proceedings.

This is an opposition entered by C. Francorsi to the grant of a patent on application No. 23607 made by P. H. Sidhwa and R. D. Sidhwa.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

14245. Bashi Ram Sharma, also known as B. R. Sharma.
14245. Abdulla Mia.
23628. Bengal Miscellany Ld.

Renewal Fees Paid.

PATENTS.

8869. Bennie. (To 2nd January 1939).
8919. Kennedy. (To 15th January 1939).
9048. Sheridan and anr. (To 27th February 1939).
9127. Williams. (To 21st March 1939).
10063. The Rail Joint Co. (To 14th January 1939).
10678. Ransomes and Rapier Ld., and anr. (To 25th January 1939).
10977. Universal Oil Products Co. (To 12th January 1939).
11126. The British Tabulating Machine Co. Ld. (To 4th February 1939).
11505. Anderson. (To 23rd July 1939).
11961. Automatic Telephone Manufacturing Co., Ld. (altered to Automatic Electric Co. Ld.). (To 13th February 1939).
12046. The Metropolitan Carriage Wagon and Finance Co., Ld. and anr. (To 8th February 1939).
12055. The Firm Hermann Nier. (To 9th February 1939).
12090. Minerals Separation Ld. (To 20th March 1939).
12114. Marconi's Wireless Telegraph Co. Ld. (To 6th March 1939).
12137. Liquid Oxygen Explosives Ld. (To 15th March 1939).
12160. Society of Chemical Industry in Basle. (To 23rd March 1939).
12868. Williams. (To 3rd January 1939).
12890. Howard. (To 4th February 1939).
12938. The Anode Rubber Co. Ld. (To 23rd February 1939).
12939. The Anode Rubber Co., Ld. (To 23rd February 1939).
13021. Auto Strop. Patents Corporation. (To 28th February 1939).
13083. The Goodyear Tire and Rubber Co. (To 21st March 1939).
13085. Compagnie Internationale Des Pieux Armes Frankignoul Societe Anonyme. (To 21st March 1939).
13592. Auto Strop Patents Corporation. (To 28th February 1939).
13868. The Anode Rubber Co., Ld. (To 23rd February 1939).
13895. Dr. Von Bosse. (To 3rd January 1939).
13947. Standard Oil Co. of New York. (To 7th January 1939).
13997. Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (To 23rd January 1939).
14081. Associated Telephone and Telegraph Co. (To 21st February 1939).
14090. Henry Williams (India) Ld. (To 22nd February 1939).
14125. Marconi's Wireless Telegraph Co., Ld. (To 7th March 1939).
15168. Vacuum Products (N. Z.) Ld. (To 2nd January 1939).
15169. Vacuum Products (N. Z.) Ld. (To 2nd January 1939).
15186. British Acoustic Films Ld. and anr. (To 21st March 1939).
15246. Pouchain. (To 7th January 1939).
15269. Standard Oil Co. of New York. (To 15th January 1939).
15297. Plant Brothers Ld. and anr. (To 21st January 1939).
15302. Synthetic Ammonia and Nitrates Ld. (To 1st February 1939).
15323. Associated Telephone and Telegraph Co. (To 9th February 1939).
15326. Prakke. (To 30th January 1939).
15351. Brooke Bond India Ld. and anr. (To 7th February 1939).
15354. Standard Telephones and Cables Ld. (To 11th February 1939).
15377. Kennedy. (To 18th February 1939).
15401. Dunlop Rubber Co., Ld. (To 23rd February 1939).
15486. Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (To 11th March 1939).
15672. Rathsburg and anr. (To 18th March 1939).
16015. Williams. (To 15th July 1939).
16444. Standard Telephones and Cables Ld. (To 14th February 1939).
16484. Henry Williams Ld. and anr. (To 1st February 1939).
16597. Siemens Bros. & Co., Ld. (To 5th February 1939).
16617. Sparklets Ld. (To 13th January 1939).
16641. Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (To 8th February 1939).
16693. Eternit Pietra Artificiale Societa Anonima. (To 6th February 1939).
16790. Dr. Lillienfeld. (To 25th March 1939).
16791. Dr. Lillienfeld. (To 25th March 1939).
16792. Dr. Lilienfeld. (To 25th March 1939).
17002. Thompson., (To 24th March 1939).
17148. National Carbon Co., Inc. (To 30th June 1939).
17558. Lillicrap. (To 21st January 1939).
17689. The P. & M. Co. (To 12th January 1939).
17742. Eternit Pietra Artificiale Societa Anonima. (To 6th February 1939).
17802. Imperial Chemical Industries Ld. (To 6th March 1939).
17817. Darco Corporation. (To 23rd February 1939).
17828. Marconi's Wireless Telegraph Co. Ld. (To 20th March 1939).
17897. Marconi's Wireless Telegraph Co., Ld. (To 23rd March 1939).
17935. Henry Williams India (1931) Ld. (To 7th April 1939).
18407. Rahe. (To 6th October 1938).
18462. British Acoustic Films Ld. (To 19th March 1939).
18539. Novadel Ld. and anr. (To 6th January 1939).
18690. The Distillers Co., Ld. and ors. (To 25th February 1939).
18728. Siemens Brothers & Co., Ld. (To 10th February 1939).
18729. I. G. Farbenindustrie Aktiengesellschaft. (To 10th February 1939).
18759. Houdry Process Corporation. (To 23rd February 1939).
18818. Allen. (To 19th March 1939).
18851. The General Electric Co., Ld. (To 28th February 1939).
18913. Bishop. (To 28th April 1939).
19024. Bishop. (To 24th June 1939).
19255. Marconi's Wireless Telegraph Co., Ld. (To 4th March 1939).
19273. Tambrali. (To 15th October 1938).
19294. Cornelius and Ors. (To 5th March 1939).
19389. Harrap and anr. (To 19th February 1939).
19496. Veglia. (To 18th January 1939).
19497. Veglia. (To 18th January 1939).

19505. Rahe. (To 6th October 1938).
19531. Hamilton. (To 6th January 1939).
19560. Ewing. (To 9th January 1939).
19562. The General Electric Co. Ld. (To 10th February 1939).
19587. de Nooij and anr. (To 20th January 1939).
19592. The Distillers Co. Ld., and ors. (To 19th February 1939).
19595. The General Electric Co. Ld. (To 1st February 1939).
19596. The General Electric Co. Ld. (To 9th February 1939).
19635. I. G. Farbenindustrie Aktiengesellschaft. (To 6th February 1939).
19641. Air Reduction Co. Inc. (To 8th February 1939).
19653. Air Reduction Co. Inc. (To 13th February 1939).
19661. Bishop. (To 14th February 1939).
19690. The Walpamur Co. Ld. (To 16th March 1939).
19691. Houdry Process Corporation. (To 27th February 1939).
19718. Henry Williams India (1931) Ld. (To 13th March 1939).
19776. Perkins Ld. (To 14th April 1939).
19878. Henry Williams India (1931) Ld. (To 4th May 1939).
19899. Henry Williams India (1931) Ld. (To 12th May 1939).
20047. Bishop. (To 28th June 1939).
20268. Skelton. (To 5th October 1938).
20494. The Trussed Concrete Steel Co. Ld. (To 6th January 1939).
20507. Herrmann. (To 2nd January 1939).
20510. Marshall. (To 2nd January 1939).
20525. Executors of James Mills Ld. (To 12th January 1939).
20545. Baker & Co. Incorporated. (To 22nd January 1939).
20576. Mayo. (To 27th April 1939).
20580. Rosengart. (To 5th February 1939).
20595. Marconi's Wireless Telegraph Co. Ld. (To 16th March 1939).
20612. Constantinesco. (To 6th March 1939).
20652. Henry Williams India (1931) Ld. (To 2nd March 1939).
20653. Henry Williams India (1931) Ld. (To 3rd March 1939).
20657. Imperial Chemical Industries Ld. (To 5th March 1939).
20673. Harris and anr. (To 8th March 1939).
20707. Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (To 19th March 1939).
20724. Imperial Chemical Industries Ld. (To 30th March 1939).
20963. Bishop. (To 21st June 1939).
20966. Knowles. (To 10th January 1939).
20978. Bishop. (To 28th June 1939).
21086. N. V. Koninklijke Pharmaceutische fabrieken voor heem Brocades-Stheeman and Pharmacia. (To 2nd February 1939).
21120. Kennedy. (To 10th January 1939).
21152. De Gooreynd and anr. (To 23rd February 1939).
21292. Bishop. (To 27th October 1939).
21494. Weglia. (To 29th January 1939).
21535. Dreyfus. (To 13th January 1939).
21536. Dreyfus. (To 13th January 1939).
21549. Dreyfus. (To 15th January 1939).
21558. British Celanese Ld. (To 20th January 1939).
21571. Automatic Electric Co. Ld. (To 22nd February 1939).
21594. Marconi's Wireless Telegraph Co. Ld. (To 10th March 1939).
21613. Varnon and ors. (To 7th February 1939).
21651. The General Electric Co. Ld. (To 15th February 1939).
21715. The English Electric Co. Ld. (To 26th March 1939).

Cessation of Patents.

10653. Hele-Shaw and anr.
10666. Pawlikowski.
11698. International General Electric Co. Inc.
14852. Ghosh.
14853. Ghosh.
14854. Ghosh.
16272. I. G. Farbenindustrie Aktiengesellschaft.
16273. Overhead Ld.
16286. Marconi's Wireless Telegraph Co. Ld.
17334. Rexworthy.
19040. York.
19197. Knowsley Cast Metal Co. Ld., and anr.
19842. Wilson and ors.
20258. Tyrie and anr.
20259. Hugo Schneider Aktiengesellschaft.
20270. Lohar.
20279. Jolles.

Restoration Proceedings.

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911, for the restoration of the following patent :—

No. 16960. K. C. Das.

The patent ceased on the 5th May 1936 owing to the non-payment of the renewal fee within the prescribed time, and the cessation of the patent was notified in the *Gazette of India*, Part II, dated the 15th August 1936. Any person may give notice of opposition to the restoration by leaving patent form No. 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, 1, Council House Street, Calcutta, on or before the 26th February 1938.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 1. No. 62833. Ajit Kumar Daw, of 37-A, Beniatola Street, Calcutta. December 9, 1937.

Class 1. No. 62867. Robert Surridge, of "New Works", Croydon Road, Elmers End, Beckenham, Kent, England. December 20, 1937.

Class 3. No. 62866. Robert Surridge, of "New Works", Croydon Road, Elmers End, Beckenham, Kent, England. December 20, 1937.

Class 13. Nos. 62877 to 62889. The Standard Mills Co. Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. December 21, 1937.

Extension of Copyright in Designs.

Copyright in the following design has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of the entry is the date of registration of the design included in that entry :—

Class 13. Nos. 32217 and 32218. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. March 13, 1928.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 13. No. 56401. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. February 1, 1933.

Class 13. No. 56413. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. February 2, 1933.

Class 13. No. 56450. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. February 9, 1933.

Class 13. No. 56487. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. February 23, 1933.

Class 13. Nos. 56516 and 56517. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. March 2, 1933.

Class 13. Nos. 56539 and 56540. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. March 8, 1933.

Class 13. No. 56546. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. March 14, 1933.

Class 14. No. 56407. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England, February 1, 1933.

Cancellation of the Registration of Design.

An application under Section 51A of the Indian Patents and Designs Act, 1911, has been filed by A. Dorasami Mudaliar for cancellation of the registration of design No. 61720 standing in the name of S. Syed Batcha Sahib.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library.
MADRAS	Record Office, Egmore.
Do.	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa .
POONA	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

RESERVE BANK OF INDIA—PUBLIC DEBT OFFICE.

Statement of Government Promissory Notes enfaced for payment of Interest in London, under deduction of amount re-transferred to India, and outstanding in the Books of the Indian Government Rupee Loans Office, Reserve Bank of India, on the 31st December 1937.

PARTICULARS.	2¾ PER CENT. LOAN.	3 PER CENT. LOANS.			3½ PER CENT. LOANS.					
	1948-52.	1896-97.	BONDS, 1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.
Balance of 30th November 1937.	*Nil*	11,41,600	13,000	1,06,700	27,69,800	98,47,300	40,83,200	11,01,700	4,10,050	3,30,60,300
Add—										
Amount of Loan Certificate transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to .	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Calcutta between 1st and 31st December 1937.	...	...	...	...	...	...	17,000	...	...	...
	Nil	11,41,600	13,000	1,06,700	27,69,800	98,47,300	41,00,300	11,01,700	4,10,050	3,30,60,300
Deduct—										
Amount written off in the London Registers .	...	1,000	...	...	35,800	61,900	26,500	...	...	...
Balance on 31st December 1937 .	*Nil*	11,40,600	13,000	1,06,700	27,34,000	97,85,400	40,73,800	11,01,700	4,10,050	3,30,60,300

PARTICULARS.	4 PER CENT. LOANS.		4½ PER CENT. LOAN.	5 PER CENT. LOANS.				5½ PER CENT. LOANS.		TOTAL.
	BONDS, 1943.	1960-70.	1955-60.	Indian War Loan, 1929-47.	1945-55.	1939-44.	1940-43.	War Bonds, 1928.	1938-40.	
Balance of 30th November 1937.	2,00,00,000	4,69,400	18,500	100	23,64,500	6,21,300	4,95,100	100	1,78,600	7,66,81,350
Add—										
Amount of Loan Certificate transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to .	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Calcutta between 1st and 31st December 1937.	...	...	...	...	...	...	...	...	...	17,000
	2,00,00,000	4,69,400	18,500	100	23,64,500	6,21,300	4,95,100	100	1,78,600	7,66,98,350
Deduct—										
Amount written off in the London Registers .	...	...	...	...	13,600	...	...	...	...	1,38,800
Balance on 31st December 1937	2,00,00,000	4,69,400	18,500	100	23,50,900	6,21,300	4,95,100	100	1,78,600	7,65,59,550

RESERVE BANK OF INDIA ;
PUBLIC DEBT OFFICE ;
Calcutta, the 5th January 1938.

F. H. GODWIN,
Accountant.

R. A. B. ALLAN,
Manager.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Return of the Rupee Debt of the Central Government of India for 31st October 1937.

[Thousands of Rupees.]

PUBLIC DEPT BEARING INTEREST.

Particulars.	Date of issue.	Conditions of Repayment.	Amount outstanding.	TOTAL.
			Rs.	Rs.
TREASURY BILLS	..	....	38,45,00	
WAYS AND MEANS ADVANCES.	..	....	..	
POST OFFICE CASH CERTIFICATES.	..	....	61,60,65	
POST OFFICE SAVINGS BANK DEPOSITS.	..	....	78,50,01	
PROVIDENT FUNDS AND OTHER UNFUNDED DEBT.	..	....	79,32,71	2,57,88,37
TERMINABLE LOANS—				
5½% Loan, 1938-40	1st Oct. 1932	On or before 1st October 1940, but not preceding 1st October 1938, with three months' previous notice.	19,13,90	
5% Loan, 1939-44	15th July 1929	On or before 15th July 1944, but not preceding 15th July 1939, with three months' previous notice.	27,78,12	
5% Loan, 1940-43	1st Oct. 1932	On or before 1st October 1943, but not preceding 1st October 1940, with three months' previous notice.	25,18,48	
3% Bonds, 1941	15th Sept. 1934	On 15th September 1941	10,67,32	
4% Bonds, 1943	1st Feb. 1933	On 1st August 1943	14,97,18	
5% Income Tax Free Loan, 1945-55.	15th Oct. 1919	On or before 15th October 1955, but not preceding 15th October 1945, with three months' previous notice.	56,74,94	
3½% Loan, 1947-50	15th May 1933	On or before 15th November 1950, but not preceding 15th November 1947, with three months' previous notice.	55,94,37	
2¾% Loan, 1948-52	1st June 1936	On or before 1st June 1952, but not preceding 1st June 1948, with three months' previous notice.	12,01,28	
3% Loan, 1951-54	15th Sept. 1935	On or before 15th September 1954, but not preceding 15th September 1951, with three months' previous notice.	15,12,85	
4½% Loan, 1955-60	15th Sept. 1928	On or before 15th September 1960, but not preceding 15th September 1955, with three months' previous notice.	9,05,70	
4% Loan, 1960-70	15th Sept. 1926	On or before 15th September 1970, but not preceding 15th September 1960, with three months' previous notice.	63,30,26	3,09,94,40
NON-TERMINABLE LOANS—				
THREE AND HALF PER CENT.—				
1842-43	1st Feb. 1843	At the option of the Government of India after three months' notice.	23,82,32	
1854-55	30th June 1854	Ditto	20,85,73	
" coupon (a)	..	Ditto	5,65	
1865	1st May 1865	Ditto	38,44,57	
Reduced, 1879	16th Jan. 1879	Ditto	2,71,50	
1900-01	30th June 1900	Ditto	36,11,43	1,22,01,20
THREE PER CENT.—				
1896-97	22nd July 1896	Ditto	3,16,04	3,16,04
RAILWAY LOANS—				
Maharaja Holkar, 4½ p. c.	(1870-77).	After 101 years	70,00	
Maharaja Scindia, 4 p. c.	..	..	1,50,00	2,20,00
		TOTAL		6,95,20,01*

PUBLIC DEBT NOT BEARING INTEREST.

Particulars.	Date of discharge.	Amount.
		Rs.
5½% War Bonds, 1920.	15th Aug. 1920.	2,88
5½% War Bonds, 1921.	15th Sept. 1921.	2,55
5½% War Bonds, 1922.	15th Aug. 1922.	1,81
5½% War Bonds, 1923.	15th Sept. 1923.	49
4% Terminable Loan of 1915-16.	30th Nov. 1923.	25
5½% War Bonds, 1925.	15th Sept. 1925.	18
6% Bonds, 1926.	15th Sept. 1926.	94
6% Bonds, 1927.	1st Oct. 1927.	1,55
5½% War Bonds, 1928.	15th Sept. 1928.	1,39
6% Bonds, 1930.	15th Aug. 1930.	3,82
6% Bonds, 1931.	15th Sept. 1931.	27
6% Bonds, 1932.	1st Oct. 1932.	1,28
5% War Loan, 1929-47.	15th May 1933.	4,51
4% Conversion Loan of 1916-17.	1st July 1933.	69
6% Bonds, 1933-36.	15th Aug. 1933.	3,42
5% Bonds, 1933.	1st Sept. 1933.	2,00
4% Loan, 1934-37.	16th Aug. 1934.	2,65
4½% Bonds, 1934.	15th Sept. 1934.	2,13
5% Bonds, 1935.	15th Sept. 1935.	2,02
6½% Treasury Bonds, 1935.	15th Sept. 1935.	9,67
TOTAL		44,50

(a) Issued in London in conversion of the 4½ per cent. Loan.
* Amount held in London is 7,65,36.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES,
New Delhi, the 7th January 1938.

T. K. RAJAGOPALAN,
Accountant General, Central Revenues

CURRENCY NOTES.

Calcutta, the 10th January 1938.

Portions of the following notes of the Calcutta Circle of Issue are stated to have been destroyed, and payment of their value has been claimed by the persons whose names are placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned :—

Register No.	Number of Notes.	Value.	Name of Claimant.
		Rs.	
W.D-1 of 1938.	RE/55-54160	100	Mankori Mahesrini, C/o Sew Datta Rai, Esq., Maxwell Bazar, P. O. Imphal, Manipur State.
W.D.-2 of 1938.	S/68-519862	100	Dukha, P. S. Bahadurpur, P. O. Samastipur, District Darbhanga.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

S. GUPTA,
Currency Officer.

RESERVE BANK OF INDIA.

NOTIFICATION.

Bombay, the 8th January 1938.

1. Mr. P. D. Chatterjee is appointed Currency Officer, Reserve Bank of India, Issue Department, Karachi with effect from the afternoon of the 31st December 1937, *vice* Mr. G. Sakharam Rau proceeded on leave.

2. Messrs. C. V. Raja Rao and C. Gnanasambandam are appointed to act as Accountant and Junior Superintendent respectively, Reserve Bank of India, Madras, with effect from the 3rd January 1938 consequent on Mr. S. A. Rahim proceeding on leave.

3. On return from leave Mr. D. K. Bose is reposted as Senior Superintendent, Reserve Bank of India, Issue Department, Calcutta, with effect from the 3rd January 1938; Messrs. B. B. Mukherjee and K. K. Roychowdhury reverted as Junior Superintendent and clerk respectively.

MANILAL B. NANAVATI,
Deputy Governor.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATION.

New Delhi, the 10th January 1938.

No. 01710-E./01370-E.—On return from leave Mr. H. P. Sinha, I.S.E., was reposted as officiating Executive Engineer, Services Division, with effect from the forenoon of the 3rd January 1938.

A. BREBNER,
Chief Engineer.

OFFICE OF THE DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 5th/6th January 1938.

No. 72-P.—1st Class Assistant Surgeon A. G. Brooks, I.M.D., Assistant to Director, Central Research Institute, Kasauli, is granted leave on average pay for three months with effect from the 15th December 1937.

No. 73-P.—No. 2117 Jemadar Gurkirpal Singh, D.T.M., I.M.D., employed under the Indian Research Fund Association on Cholera Enquiry at the Central Research Institute, Kasauli, is granted leave on average pay for two months with effect from the 6th December 1937.

W. M. WILL,
Lieut.-Colonel, I.M.S.,
for Director-General, I.M.S.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATIONS.

Calcutta, the 5th January 1938.

No. 1620.—Mr. F. R. Vandyke, Manager, Photo Branch, Photo Litho Office, is granted leave out of India, on medical certificate, on average pay for 17 days and on half average pay for 8 months and 13 days with effect from the 3rd January 1938.

Calcutta, the 7th January 1938.

No. 1621.—Mr. D. N. Saha, Extra Assistant Superintendent, is granted under the Fundamental Rules leave on average pay for 4 months, with effect from the 13th December 1937.

C. G. LEWIS,
Brigadier,
Surveyor General of India.

SURVEY OF INDIA.

List of maps published during the month of November 1937.

GEOGRAPHICAL, GENERAL AND SPECIAL MAPS.—Obtainable from the Officer in Charge, Map Record & Issue Office, 13, Wood Street, Calcutta.

Description.	Year of Survey.	Date of edition.	Number of sheets.	Size per sheet in inches.	Price.	Remarks.
SPECIAL MAPS.					Rs. As.	
CANTONMENT PLANS.						
(Scale 64 inches to 1 mile.)						
* Nasīrābād Cantonment Sadr, British Infantry, Indian Infantry and Chamār Bāzārs.	1935-36	1937	4	Various	8 0 or 2 0 per sheet.	
MANŒUVRE AND RADIUS MAPS. (Extra-Departmental.)						
(Scale 1 inch to 1 mile.)						
† § Dehra Dūn and Surrounding Country.	..	1937	1	28 × 26½	2 8	Gridded.
PROVINCIAL MAPS.						
(Scale 1 : 1,000,000.)						
‡ Map showing Approximate Boundaries of Orissa.	..	1937	1	34 × 30	1 4	Second Edition.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record & Issue Office, 13, Wood Street, Calcutta.

Index Number.	District, &c.	Year of Survey.	Date of edition.	Price.	Remarks.
	1. QUARTER-INCH MAPS.			Rs. As.	Underlining for Map Catalogue :— (a) Double red line.
	(Scale 1 inch to 4 miles.)				
35 C	"Ormāra"	1891-92	1937	1 8	Second Edition.
‖ 45 J	"Ajmer"	1927-28 1929-30 1932-33	1937	1 8	(a)
55 A	"Sārangpur" . . .	1933-34	1937	1 8	(a)
¶ 84 K	"Pagan"	1906—09	1936	1 8	Second (Revised) Edition.
	2. HALF-INCH MAPS.				
	(Scale 1 inch to 2 miles.)				
45 E/S.E. & E/N.E.	Part of Jodhpur (or Mārwār) State.	1935-36	1937	2 0	(a)
53 O/N.E.	Parts of Almora, Garhwāl and Nani Tāl Districts.	1919—21	1937	2 0	Second Edition.
64 G/S.W.	Parts of Drug District, Chhuīkhadān, Khairāgarh and Nāndgaon States.	1931-32 1933-34	1937	2 0	(a)

*This publication supersedes item No. 189 of Appendix 5 of the Map Catalogue.
† " " " " No. 8 " " 6 " " Copies of this map are obtainable from the Director,
‡ " " " " No. 12 (a) " " 2 " " Geodetic Branch, Survey of India, Dehra Dūn.
§Complimentary copies of this map will not be issued.
‖Gridded copies of these maps can be supplied at annas three per copy extra.
¶Copies of these maps are obtainable from the Curator, Government Book Depot, Burma, Rangoon.
Reference List of maps for October, 1937, page 2, read 93 D/9 for 93 D/7.

List of maps published during the month of November 1937.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record & Issue Office, 13, Wood Street, Calcutta—*contd.*

Index Number.	District, & c.	Year of Survey.	Date of edition.	Price.	Remarks.
				Rs. As.	Underlining for Map Catalogue :— (*a*) Double red line.
	2. HALF-INCH MAPS—(*contd.*)				
	(*Scale 1 inch to 2 miles.*)				
73 C/S.E.	Parts of Athmallik, Bāmra, Pāl Lahara, Rairākhol and Tālcher States and Angul District.	1924-25 1932-33	1937	2 0	(*a*)
	3. ONE-INCH MAPS.				
	(*Scale 1 inch to 1 mile.*)				
34 O/9	Parts of Bolān Pass and Sibi Districts.	1909-10 (corrected 1932-33).	1937	1 8	Second (Revised) Edition. Gridded.
38 K/11	Parts of Kohāt District, Kurram and North Wazīristān Agencies and Tribal Territory (Tīrāh).	1904—07	1937	1 8	Third (Revised) Edition. Gridded.
*38 O/2	Parts of Kohāt District and Tribal Territory (Tīrāh).	Various	1937	1 8	Fourth (Revised) Edition.
*38 O/9	Parts of Khyber Agency, Peshāwar District and Tribal Territory.	1926-27 1930-31	1937	1 8	Ditto.
*39 I/1	Parts of Dera Ismāīl Khān District and South Wazīristān Agency.	1914	1937	1 8	Second Edition.
*43 B/1	Parts of Dīr, Swāt and Chītrāl Agency.	1898 1906-07 1924 1926-27	1937	1 8	Second (Revised) Edition.
47 E/14	Parts of Ahmadnagar and Nāsik Districts.	1924-25	1937	1 8	Third Edition.
64 O/2	Parts of Bilāspur District and Sārangarh State.	1935-36	1937	1 8	(*a*)
64 O/5	Parts of Bilāspur District, Raigarh State and Sambalpur District.	1935-36	1937	1 8	(*a*)
*72 K/3	Parts of Monghyr and Patna Districts.	1935-36	1937	1 8	(*a*)
*72 K/11	Parts of Bhāgalpur and Monghyr Districts.	1935-36	1937	1 8	(*a*)
*†93 D/10	Parts of Meiktila and Yamethin Districts and Southern Shan States.	1919—22 1935-36	1937	1 8	(*a*)
†93 D/13	Part of Southern Shan States.	1935-36	1937	1 8	(*a*)

*Gridded copies of these maps can be supplied at annas three per copy extra.

†Copies of these maps are obtainable from the Curator, Government Book Depot, Burma, Rangoon.

Stock copies of the following maps were gridded during the month :—

56 G, 65 O/2, O/3 and O/6 (in one).

C. G. LEWIS, *Brigadier*,

Surveyor General of India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M.
Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 15th January 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,
Indian School of Mines.

NORTHERN INDIA SALT REVENUE DEPARTMENT.

NOTIFICATIONS.

OFFICERS—APPOINTMENTS.

Delhi, the 16th December, 1937.

No. 131.—Mr. Ghulam Akbar Khan Seyal, appointed to officiate as Superintendent in the leave vacancy of Mr. E. S. McCurley, General Manager, is reverted to his substantive appointment as Deputy Superintendent from the 14th December, 1937, and reappointed as an officiating Superintendent from the same date and hour in the vacancy caused by the resignation of Mr. S. M. Said, probationary Superintendent.

(266-Et./36).

Delhi, the 23rd December 1937.

No. 135.—Mr. Jagat Narain Bhalla, Deputy Superintendent, Rajputana Salt Sources Division, is appointed as an officiating Superintendent in the vacancy caused by the resignation of Mr. S. M. Said, Probationary Superintendent, with effect from the forenoon of the 23rd December, 1937.

(402-Et./37).

LEAVE.

Delhi, the 23rd December, 1937.

No. 133.—Mr. Dewan Chand, Superintendent, Gudha Circle, Rajputana Salt Sources Division, is granted leave on average pay for four months with effect from the 13th December 1937.

(432-Et./37).

No. 134.—In supersession of this office notification No. 122, dated the 24th November, 1937, Pt. Gokalchand Jha, Superintendent, Main Line and New Kyar, Sambhar, Rajputana Salt Sources Division, is granted leave on average pay for 1 month and 1 day from 14th November, 1937 to 14th December, 1937.

(F. No. 386-Et./37).

Delhi, the 31st December 1937.

No. 142.—Mr. Vyas Deo, Superintendent, Weighment Circle, Sambhar, Rajputana Salt Sources Division, is granted leave on average pay for 8 days with permission to affix holidays falling on the 1st and 2nd January 1938 in extension of the leave sanctioned in this office notification No. 124, dated the 26th November, 1937.

(F. No. 401-Et./37).

REVERSION.

Delhi, the 23rd December 1937.

No. 132.—Mr. Jagat Narain Bhalla, Deputy Superintendent, appointed officiating Superintendent in the vacancy caused by the resignation of Mr. S. M. Said, Probationary Superintendent, in this office notification No. 123, dated the 24th November, 1937 is reverted to his substantive appointment as Deputy Superintendent from the 14th December, 1937.

(F. No. 266-Et./36).

F. C. KING, I.C.S.,

Commissioner,

Northern India Salt Revenue.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 10th January 1938.

No. 183-An.—Messrs. S. K. Chatterjee and A. K. Patra, officiating Deputy Assistant Controllers of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, reverted to their substantive grades, with effect from the forenoon of the 24th December 1937.

No. 184-An.—Mr. Satgur Parshad, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions reverted to his substantive grade with effect from the afternoon of the 23rd December 1937.

No. 185-An.—Mr. J. N. Roy, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions reverted to his substantive grade with effect from the afternoon of the 23rd December 1937. He has been reappointed to officiate as a Deputy Assistant Controller of Military Accounts in that office with effect from the forenoon of the 3rd January 1938.

No. 186-An.—Mr. G. J. Devadawson, I.D.S.M., a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, has been granted privilege leave for 27 days with effect from the forenoon of the 3rd January 1938, with permission to prefix the Christmas and New Year's day holidays and Sunday from the 24th December 1937 to the 2nd January 1938 and to affix Sunday the 30th January 1938 to this leave.

No. 187-An.—Mr. Banna Ram, an accountant in the office of the Controller of Military Accounts, Northern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office with effect from the forenoon of the 3rd January 1938.

New Delhi, the 12th January 1938.

No. 188-An.—Mr. B. Srinivasa Aiyar, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Western Command, reverted to his substantive grade, with effect from the afternoon of the 23rd December 1937.

New Delhi, the 13th January 1938.

No. 189-An.—Mr. Shiv Ram Kakar, an accountant in the office of the Controller of Military Accounts, Northern Command has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the forenoon of the 3rd January 1938.

No. 190-An.—Mr. J. C. Mukerjee, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, has been granted privilege leave for four months, with effect from the forenoon of the 3rd January 1938, with permission to prefix the Christmas and New Year's holidays and Sunday from the 24th December 1937 to the 2nd January 1938 to this leave.

No. 191-An.—Mr. Bindra Ban, officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command having resumed duty on the forenoon of the 3rd January 1938 the unexpired portion of the leave granted to him in this Department Notification No. 128-An., dated the 15th October 1937, published in the Gazette of India, Part II, dated the 23rd October 1937 is hereby cancelled.

M. R. COBURN,

Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 6th January 1938.

No. S-100/7.—Mr. H. N. Shrivastava, B.Sc., Senior Electrical Engineer, is granted leave out of India on average pay for four months in continuation of his deputation to the International Telegraph and Telephone Conference and the International Conference of Radio Communications to be held at Cairo on the 1st February 1938.

New Delhi, the 10th January 1938.

No. S.-98/10.—Mr. H. A. M. Newbould, who was dismissed from service with effect from the 8th October 1935, is re-instated as Postmaster, Grade A, with effect from the date he assumes charge of his duties.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 5th January 1938.

No. 18/11.—Mr. W. J. Watters, District Electrical Engineer, senior scale, has been granted four months privilege leave combined with eighteen months furlough on half pay preparatory to retirement, partly in India and partly in Europe with effect from the 10th January 1938.

No. O. P. E. 418 P. 5.—Captain H. A. Davis, R.E., Assistant Superintendent, junior scale, Transportation (Traffic) and Commercial Department, was granted 11 days leave on average pay with effect from the 2nd December 1937.

No. ME 330/20-B.—Rai Bahadur S. N. Banerjee, Assistant Superintendent, Lower Gazetted Service, Mechanical Engineering and Transportation (Power) Department, has been granted four months privilege leave in India with effect from the 5th December 1937.

No. ME 330/20-B-1.—Mr. K. N. Banerjee, Assistant Superintendent, Lower Gazetted Service, Mechanical Engineering and Transportation (Power) Department has been granted two months leave on average pay with effect from the 10th January 1938.

No. A. E. 2134/5.—The following probationary officers in the Transportation (Power) and Mechanical Engineering Department of the Superior Revenue Establishment of State Railways at present employed on the East Indian Railway have been confirmed in that Department in the junior scale, with effect from the dates noted against each :—

Name.	Date of confirmation.
S. S. Chakravarti	4th January 1938.
W. A. Shaikh	Do.
P. S. Venkataraman	Do.
J. F. Muncherjee	10th January 1938.

Calcutta, the 7th January 1938.

No. M.E.-330/B.—Mr. R. G. P. S. Fairbairn, Lecturer, Technical School, Jamalpur, has been granted 7 months and 29 days leave on average pay *plus* 15 days leave on half average pay to Europe, with effect from the 12th January 1938 with permission to suffix Sunday the 25th September 1938 and Durga Poojah holidays from 26th September 1938 to 15th October 1938.

No. E. P.-426.—Mr. L. V. Pereira, Executive Engineer, senior scale has been granted one month's privilege leave with effect from the 15th January 1938 or subsequent date of relief.

Calcutta, the 10th January 1938.

No. O.P.E.-418-P. 5.—Mr. J. S. Mathur, Assistant Superintendent, Junior Scale, Transportation Traffic and Commercial Department has been granted three months and ten days leave on average pay in India, with effect from the 6th January 1938.

No. E. P.-492.—Mr. A. N. Basin, Assistant Executive Engineer, Lower Gazetted Service was granted leave on average pay on medical certificate for one month, with effect from the 21st September 1937.

J. A. BELL,
Agent.

EASTERN BENGAL RAILWAY.

Corrigendum to Eastern Bengal Railway Notification No. 52, dated 27th December 1937, re. grant of leave to Mr. S. C. Biswas, officiating Executive Engineer.

Please read "One month and 6 days" in place of "4 months" occurring in line 2 of this notification referred to above.

E. L. MANLEY,
Chief Engineer.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 4th January 1938.

No. 1.—The unexpired portion of leave on average pay, *viz.*, from 20th November 1937, to 5th December 1937, granted to Mr. J. W. Carroll, Assistant Mechanical Engineer, under this office Notification No. 40, dated 16th March 1937, is hereby cancelled.

2. This supersedes this office Notification No. 136, dated 3rd December 1937.

C. F. CARSON,
Lt.-Col., R.E.,
Agent.

PORT OF

Statement showing the financial transactions of the Cochin Port,

Funds.	Opening balance.		Receipts.							
	Cash.	Govt. securities.	Ordinary receipts.	Loans received.	Loans repaid.	Total of columns 4 to 6.	Sale of securities.	Face value of securities purchased.	Total of columns 7 and 8.	Budget Estimate.
1	2	3	4	5	6	7	8	9	10	11
	Rs. a. p.	Rs.	Rs. a. p.	Rs.	Rs.	Rs. a. p.	Rs.	Rs.	Rs. a. p.	Rs.
Cochin Port Fund	(a) 1,31,741 13 10	1,32,200	2,82,869 9 11	...	...	2,82,869 9 11	...	...	2,82,869 9 11	3,11,475
Cochin Landing and Shipping Fund.	(b) 1,43,588 12 1	30,000	8,06,544 12 3	(c) 68,96,000	...	77,02,544 12 3	...	...	77,02,544 12 3	81,44,787
Cochin Pilotage Fund	(e) 36,528 15 7	65,400	93,982 12 4	...	...	93,982 12 4	...	...	93,982 12 4	98,828

(a) Excludes Rs. 10,220 being the amount of Accident and Depreciation Fund account.

	Rs. a. p.
(b) Revenue Account	1,26,096 13 1
Capital Account	17,491 15 0
	1,43,588 12 1

	Rs. a. p.	
(c) From Govt. of India	31,89,000 0 0	Including grant of Rs. 3 lakhs.
From Govt. of Cochin	27,80,000 0 0	
From Govt. of Travancore	9,27,000 0 0	
	68,96,000 0 0	

	Rs. a. p.
(d) Ordinary expenditure	8,27,834 3 8
Capital expenditure	22,31,023 14 5
	30,58,858 2 1

(e) Excludes Rs. 7,110 being the amount of Accident and Depreciation Fund account.

COCHIN.

Landing and Shipping and Pilotage Funds for 1936-37.

Charges.									Closing balance.	
	Loans.									
Ordinary charges.	Advanced.	Repaid.	Total of columns (12 to 14).	Purchase of securities.	Face value of securities, sold.	Total of cols. 15 and 16.	Budget grant.	Altered grant.	Cash.	Govt. securities.
12	13	14	15	16	17	18	19	20	21	22
Rs. a. p.	Rs.	Rs.	Rs. a. p.	Rs.	Rs.	Rs. a. p.	Rs.	Rs.	Rs. a. p.	Rs.
1,96,339 13 2	...	...	1,96,339 13 2	...	...	1,96,339 13 2	2,78,757	2,12,817	(f) 2,38,711 10 7	1,32,200
(d) 30,58,858 2 1	...	(g) 33,51,287	64,10,145 2 1	...	...	64,10,145 2 1	73,17,844	72,70,756	(h) 14,35,988 6 3	30,000
87,114 3 2	...	...	87,114 3 2	...	...	87,114 3 2	91,508	91,508	(i) 53,617 8 9	65,400

(f) Includes Rs. 20,440 being the amount of Accident and Depreciation Fund account.

	Rs. a. p.
(g) Repayment to Madras Government	31,96,783 0 0
Repayment to Madras Minor Ports Fund . . .	1,54,504 0 0
	33,51,287 0 0

	Rs. a. p.
(h) Revenue Account	6,02,432 10 11
Capital Account	8,33,555 11 4
	14,35,988 6 3

(i) Includes Rs. 10,220 being the amount of Accident and Depreciation Fund Account.

R. C. BRISTOW,

Administrative Officer and
Harbour Engineer-in-Chief.

REGISTERED No. L. 3131

The Gazette of India

NEW DELHI, SATURDAY, JANUARY 22, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

Annual rates of subscription including packing and Indian postage.

	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A.	48	0	0
Parts I, II, II-A and III (together)	35	0	0
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Part I	12	0	0
Part I-A	4	8	0
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Part II-A	15	0	0
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Part V	3	4	0
Parts IV and V (together)	6	0	0
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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Local Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 22nd January 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

January 8, 1938.

24823. Austral Cabinet Co. Ld. Improvements in and relating to closets. (January 9, 1937).

24824. Kumardhubi Fireclay & Silica Works Ld. Improvements in or relating to the manufacture of porous bricks, blocks or other articles of ceramic ware.

24825. N. K. Padmanabhan. Improved method of and means for roasting cashew nuts.

January 10.

24826. British & Dominions Feralloy Ld. Improvements in and relating to the manufacture of cast iron. (January 30, 1937).

24827. J. A. Crabtree & Co. Ld., and H. F. McLoughlin. Improvements in, or relating to, electrical switch-fuse combinations. (February 15, 1937).

24828. Non-Drip Measure Co. Ld., F. W. Berwick and A. G. Berwick. Improvements in or relating to devices for delivering measured quantities of liquid. (February 12, 1937).

24829. H. A. Brassert and H. A. Brassert & Co. Ld. Improvements in and relating to the refinement of steel. (January 13, 1937).

24830. Electrical Research Products Inc. Photoelectric cell apparatus. (January 11, 1937).

24831. Maybach-Motorenbau, Gesellschaft mit beschrankter Haftung. Mechanism for controlling the pressure medium of power-operated speed changing mechanism. (Addition to No. 22547).

24832. Standard Telephones and Cables Ld. Improvements in or relating to thermionic amplifiers. (January 22, 1937).

24833. Wellesley Holdings Ld. Improvements in or relating to a process for the manufacture of fertilisers. (January 11, 1937).

24834. F. L. Bolt and Wallsend Slipway & Engineering Co. Ld. Improvements in or relating to liquid fuel burners.

24835. Aktiebolaget B. A. Hjorth & Co. Improvements in starting burners for the heating of gasification burners for cooking and lighting apparatus, heating lamps and the like.

24836. M. J. Udy. Improved manufacture of sodiumbichromate.

January 11.

24837. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). Improvements in internal combustion engine for dust-fuels.

24838. Hannoversche Maschinenbau-Actien-Gesellschaft vormals George Egestorff (Hanomag). Improvements in chamber with air admission for storing dust-fuel for dust motors.

January 12.

24839. Maschinenfabrik Esslinger. Improvements in or relating to the manufacture of blocks composed of compressed carbon dioxide snow.

January 14.

24840. The General Electric Co. Ld. Improvements in high-pressure mercury vapour electric discharge lamps. (January 11, 1937).

24841. P. R. Bhandarkar. Improvements in or relating to the extraction of cashew nut shell oil.

24842. K. P. Paul. A machine for manufacturing or punching washers.

24843. M. K. Narasimha Ayer. A new type of water pump to be called "Sri Rama" pump.

Alteration of Date.

(I)

23590. The claim to priority date the 8th February 1936 has been abandoned and the application dated as of the 21st January 1937, the date of filing in India.

(II)

23643. The claim to priority date the 5th February 1936 has been abandoned and the application dated as of the 1st February 1937, the date of filing in India.

(III)

23907. The claim to priority date the 22nd April 1936 has been abandoned and the application dated as of 19th April 1937, the date of filing in India.

(IV)

24159. Ante-dated 1st September 1936 under reciprocal arrangement.

(V)

24344. Ante-dated 12th October 1936 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the

counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23569. W. P. Warren. Improvements in dustbins. *Outside metal container having inside paper or like container is surmounted by a cap with concave dish.*

23590. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of 3-hydroxy-diphenylene oxide and substitution products thereof. *Treating with alkaline reagent a 2·5-dihydroxy diphenyl compound carrying in orthoposition to the linkage a group capable of being exchanged.*

23643. Peglers Ld. Improvements in flushing valves. *Valve Body having inlet and outlet dashpot plunger carrying control valve and externally operated tube for lifting said valve.*

23706. A Magnani. Defibrer for the preparation of asbestos fibres and the like. *Succession of adjacent treatment cylindrical chambers fitted with a rotating wheel having beating arms.*

23740. Dr. O. Rohm. Improvements in or relating to the manufacture of unhaired skins or hides. (April 1, 1936). *Treating with fungic tryptases and an oxidising agent excluding permanganates, bichromates and perhalogenates.*

23781. International Latex Processes, Ld. Improvements in or relating to the production of rubber structures as for example sponge-like or cellular rubber upholstery. (June 2, 1936). *Applying rubber dispersions to former elements mounted such that the coating on any former element will be connected as by webs or ribs to any one or more of the neighbouring coatings.*

23802. W. F. DePenning. Method and apparatus for continuous casting. *Continuously pouring metal into the top of a moulding tube having high thermal conductivity and cooling with fluid along its outer surface.*

23812. A. T. Gillespie. Improvements in and relating to air conditioning. *Exhaust fan drawing air through plurality of trays containing cooling medium.*

23825. Davidson and Co. Ld. Improvements in tea rolling machines. (December 9, 1936). *Rolling table provided with a projection extending into the container and pressure cap correspondingly grooved.*

23865. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to television and like receivers. (April 29, 1936). *Plurality of anodes in a cathode ray tube sort out various kinds of signals.*

23907. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of organic products of capillary action. *Cyclic amino compound containing in the nucleus aliphatic radical with more than 3 carbon compounds reacted with alkylene oxide of manohalogen compound of a polyhydric alcohol.*

23977. The Premier Waterproof & Rubber Co. Ld., and S. Ridings. Improvements in or relating to means for controlling yarn in cop form within shuttles. (May 7, 1936). *A longitudinal base piece with a plurality of projecting resilient fingers and a yarn guiding and tensioning device.*

24114. Callender's Cable and Construction Co., Ld. Improvements in machines for producing wire strands. (June 17, 1936). *A stranding head having two roll dies driven by power, the second closely following the first.*

24145. The Lanatin Corporation. Improvements in processes for the treatment of vegetable fibres to produce a curly effect. *With chlorine during mercerization.*

24159. Novocol Chemical M. 'F' G. Co. Inc. Improvements in or relating to process of preparing local anesthetic bases and solutions. (September 1, 1936). *Reducing monoalkyl amino ethyl para nitrobenzoate into the amino benzoate.*

24189. J. L. et Lavigne. Improvement in distillation of liquids. *Circulating liquid through series of progressively heated zones, each of which being heated by the condensation of vapour from the liquid heated in an advanced zone of the series.*

24197. Naamlooze Vennootschap Organon. Improved process of oxidizing unsaturated polycylic alcohols. (May 26, 1937). *Unsaturated polycylic alcohols treated in presence of a metal alcoholate with a hydrogen acceptor such as analdehyde or Ketone.*

24215. Universal Process (Parent) Co., Ld. Improvements in or relating to the treatment of bitumina and allied substances to obtain artificial masses and/or plastic compositions therefrom. (July 27, 1936). *Heating bituminous substances to above 180°C under pressure with acids- of sulphur.*

24344. The General Electric Company, Limited. Improvements in or relating to refractory glasses. [Ante-dated October 12, 1936]. [Addition to No. 23316]. *Containing 50-70 per cent. of silica 25-35 per cent. of alumina, 6-11 per cent. of lime and 1-6 per cent. of magnesia or thoria.*

24370. R. B. Amin. Improvements in or relating to pumps. *Main chamber communicating with two subsidiary chambers each of which is partitioned.*

24491. The British Ropeway Engineering Company Limited. Improvements in or relating to buckets, skips, hoppers and the like. (October 9, 1936). *An arm of the control mechanism is fast on one and linked to the second closure members to open and close the closure members simultaneously.*

24516. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of arsenobenzene-monosulphoxylates. (Nov. 7, 1936). [Addition to No. 22346.] *Symmetrical hydroxyamino arseno-benzene and symmetrical hydroxy (bis-hydroxy alkyl) aminoarsenobenzene are condensed to form an unsymmetrical arseno-benzene derivative which is reacted with formaldehyde sodium sulphoxylate.*

24519. Indian Jute Mills Association. Improvements in and relating to the manufacture of proofed felts, particularly water proofed, rot proofed and anti-termite felts, from vegetable fibres. *Treating the fibres with bitumen composition containing rot-proof and anti-termite agents.*

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23071. Barlow and Blakeway.
23121. Metals Disintegrating Co. Inc.
23190. Greenfield.
23247. National Carbon Co. Inc.
23280. Trangmar.
23287. Marconi's Wireless Telegraph Company, Limited.
23442. Maltby's Motor Works & Garage Ld. and Redfern.
23551. Coats and Hafner.
23584. The General Electric Company, Limited.
23606. Lawarree.
23630. Ricardo.
23633. Filter Tips Ld.
23665. Ruhrchemie Aktiengesellschaft.
23672. Valentin and Textilmaschinenfabrik Schwenningen G. m. b. H.
23710. Hamilton and Callender's Cable and Construction Co., Ld.
23835. Graviner Manufacturing Co., Ld. Salmond, Mathisen, Palmer and Goodall.
23934. Shahu.
23961. Universal Oil Products Co.
23963. Universal Oil Products Co.
24019. Novo Valve Corporation.
24039. Societe de Recherches et d'Applications Chimiques (Sorac).
24045. George Kent, Ld., Ardley, (Mrs.) Hillman, Hillman and Warren.
24072. Zan.
24083. Metropolitan-Vickers Electrical Co., Ld.
24084. Mazza.
24089. Telefunken Gesellschaft fur drahtlose Telegraphie m. b. H.
24092. Corning Glass Works.
24097. Burman.
24141. Executors of James Mills, Ld.
24160. Kavanagh.

Patents Sealed.

23132. Standard Telephones & Cables Ld.
23138. Standard Telephones & Cables Ld.
23161. Standard Telephones & Cables Ld.
23167. Frenkel.
23202. Buffalo Electric Furnace Corporation.
23221. Lucas and Lucas.
23257. Gordon.
23354. Arbuthnot and Campbell.
23436. Zublin.
23561. Gewerkschaft Auguste.
23567. Harbord and Harbord.
23602. A. D. Butt & Co.
23627. Universal Oil Products Co.
23645. N. V. De Bataafsche Petroleum Maatschappij.
23657. Hagedorn, Jensen and Woodstrup-Nielsen.
23678. Garewal.
23683. Wilputte.
23715. H. A. Brassert & Co. Ltd., Brassert and Colclough.
23727. Ethyl Gasoline Corporation.
23735. Russell.
23767. Shimada Trading Co.
23797. Dr. C. Otto & Comp. Gesellschaft mit Beschrankter Haftung.
23798. Dr. C. Otto & Comp. Gesellschaft mit Beschrankter Haftung.
23799. Dr. C. Otto & Comp. Gesellschaft mit Beschrankter Haftung.
23800. Dr. C. Otto & Comp. Gesellschaft mit Beschrankter Haftung.
23853. Dastoor.
23868. Universal Oil Products Co.
23981. Panek.
23997. Universal Oil Products Co.
23999. Metallgesellschaft Aktiengesellschaft.

Opposition Proceedings.

The application for a patent No. 23685 made by C. Francorsi, against which an opposition was entered by Bharat Tiles Company, as notified in Part II of the *Gazette of India,* dated the 25th September 1937, has been treated as abandoned

Amendment Proceedings.

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that National Processes Ld., of 95 Gresham Street, London, England, seek leave to amend the specification of their patent application No. 23489. Any person desirous of opposing the application for amendment should, any time within three months from the date of this Gazette, give notice of his intention to do so in the prescribed form (Form No. 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1 Council House Street, Calcutta. The proposed amendments which consist in an extensive revision of the description and the claims with a view to make the specification agree with the corresponding United Kingdom specification, may be seen free of charge at the Patent Office. Copies of the proposed amendments may also be obtained free of cost on application to this office.

Renewal Fees Paid.

PATENTS.

12020. The Corporation of I. G. Farbenindustrie Aktiengesellschaft. (To 1st February 1939).

12067. The Corporation of I. G. Farbenindustrie Aktiengesellschaft. (To 15th February 1939).

12068. The Corporation of I. G. Farbenindustrie Aktiengesellschaft. (To 15th February 1939).

12156. International General Electric Co. Inc. (To 22nd March 1939).
12388. Dr. Schmidt and anr. (To 28th June 1939).
13074. International General Electric Co. Inc. (To 21st March 1939).
14177. International General Electric Co. Inc. (To 20th March 1939).
15292. British Celanese Ld. (To 9th February 1939).
15414. Wrightson and anr. (To 25th February 1939).
15418. The Gould Coupler Co. (To 25th February 1939).
15473. International General Electric Co. Inc. (To 11th March 1939).
15498. Montelius. (To 12th March 1939).
16643. G. H. Sheffield & Co. (Engineers) Ld. (To 9th February 1939).
16660. Henschel & Sohn Aktiengesellschaft. (To 27th January 1939).
16703. Frigidaire Corporation. (To 10th February 1939).
17744. McWilliam & Ors. (To 30th January 1940).
17835. Raffinerie Tirlemontoise Societe Anonyme. (To 2nd March 1939).
17846. I. G. Farbenindustrie Aktiengesellschaft. (To 3rd April 1939).
17888. International General Electric Co. Inc. (To 23rd March 1939).
17891. Shanks & Co. Ld., and anr. (To 13th February 1939).
17907. Fison, Packard & Prentice Ld., and ors. (To 28th March 1939).
18370. Woodhouse. (To 2nd February 1939).
18697. Rowell. (To 25th January 1939).
18821. International General Electric Co. Inc. (To 21st March 1939).
18852. Lloyd. (To 15th April 1939).
19119. Krause. (To 25th January 1939).
19613. Curtis. (To 1st February 1938).
19676. The Expanded Metal Co. Ld. (To 4th March 1939).
19749. Wynn-Williams. (To 23rd March 1939).
19764. Lindars. (To 30th March 1939).
20057. Bryden. (To 28th October 1939).
20104. Bryden. (To 1st August 1939).
20195. The Liverpool Electric Cable Co. Ld., and anr. (To 24th January 1939).
20375. Bryden. (To 8th December 1939).
20532. Digby. (To 17th January 1939).
20650. Ateliers des Charmilles S. A. (To 26th February 1939).
20826. Nomosquito. (To 30th April 1939).
20961. Hoare & Co. (Engineers) Ld. (To 19th June 1939).
21021. Hoare & Co. (Engineers) Ld. (To 16th July 1939).
21302. Hoare & Co. (Engineers) Ld. (To 7th March 1939).
21595. British Celanese Ld. (To 10th February 1939).
21596. British Celanese Ld. (To 2nd February 1939).
21597. British Celanese Ld. (To 2nd February 1939).
21598. British Celanese Ld. (To 2nd February 1939).
21624. Dreyfus. (To 9th February 1939).

Cessation of Patents.

13603. The Hon'ble Sir Parsons.
17275. (Mrs.) Kennedy.
17413. Omes Holding Co. Ld.
17421. Junkers.
17428. Revelation Patents Holding Co.
17429. United States Pipe & Foundry Co.
19236. Mathews.
19276. Fawcett, Preston & Co. Ld.
20282. Jansen.
20284. Davidson.
20286. Franco Wyoming Oil Co.
20287. Franco Wyoming Oil Co.
20289. Executors of James Mills Ld., and ors.
20295. Gogate.
21161. Gordon.

Restoration Proceedings.

(I)

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911, for the restoration of the following patent :—

14607. Safety Mining Company.

The Patent ceased on the 23rd July 1937 owing to the non-payment of the renewal fee within the prescribed time, and its cessation was notified in Part II of the *Gazette of India*, dated the 6th November 1937. Any person may give notice of opposition to restoration by leaving patent form No. 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, 1, Council House Street, Calcutta, on or before the 5th March 1938.

(II)

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911, for the restoration of the following patent :—

19904. Safety Mining Co.

The patent ceased on the 15th May 1937, owing to the non-payment of the renewal fee within the prescribed time, and its cessation was notified in Part II of the *Gazette of India*, dated the 28th August 1937. Any person may give notice of opposition to restoration by leaving patent form No. 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, 1, Council House Street, Calcutta, on or before the 5th March 1938.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets :—

Class 1. No. 62617. Sakharam Marutirao Jedhe, of 907, Shukrawar Peth, Jedhe Mansion, Poona City. October 7, 1937.

Class 1. No. 62618. Sakharam Marutirao Jedhe, of 907, Shukrawar Peth, Jedhe Mansion, Poona City. October 7, 1937.

Class 1. No. 62619. Sakharam Marutirao Jedhe, of 907, Shukrawar Peth, Jedhe Mansion, Poona City. October 7, 1937.

Class 1. No. 62620. Sakharam Marutirao Jedhe, of 907, Shukrawar Peth, Jedhe Mansion, Poona City. October 7, 1937.

Class 1. No. 62826 to 62829. T. A. Mudaliar, (Thorapperumpakkam Arumuga Mudaliar), Proprietor of The Swadeshi Type Foundry, Chintadripet, Madras. December 7, 1937.

Class 3. No. 62766. Dunlop Rubber Co. (India) Ld. of No. 57-B, Free School Street, Calcutta, British India. November 22, 1937. (Reciprocity Date May 25, 1937.).

Class 3. No. 62768. Dunlop Rubber Co. (India) Ld., of No. 57-B, Free School Street, Calcutta, British India. November 22, 1937. (Reciprocity Date May 29, 1937).

Class 3. Nos. 62863 to 62865. The Southern India Trading Co., of 83, Sembudoss Street, Madras, British India. December 20, 1937.

Class 3. No. 62870. Dunlop Rubber Co. (India) Ld., of No. 57-B, Free School Street, Calcutta, British India. December 21, 1937.

Class 3. No. 62871. Dunlop Rubber Co. (India) Ld., of No. 57-B, Free School Street, Calcutta, British India. December 21, 1937.

Class 3. No. 62872. Dunlop Rubber Co. (India) Ld., of No. 57-B, Free School Street, Calcutta, British India. December 21, 1937.

Class 3. No. 62873. Dunlop Rubber Co. (India) Ld., of No. 57-B, Free School Street, Calcutta, British India. December 21, 1937.

Class 3. No. 62874. Dunlop Rubber Co. (India) Ld., of No. 57-B, Free School Street, Calcutta, British India. December 21, 1937.

Class 3. No. 62876. Dunlop Rubber Co. (India) Ld., of No. 57-B, Free School Street, Calcutta, British India. December 21, 1937.

Class 5. No. 62851. Abdul Khaliq, of Pathak Hawash Khan, Delhi, (British India). December 15, 1937.

Class 13. Nos. 62849 and 62850. Chotalal Ravicarandas & Co., of 42/44 Champagali, Bombay 2. December 14, 1937.

Class 13. Nos. 62890 to 62894. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. December 22, 1937.

Class 13. Nos. 62898 to 62902. The Indian Bleaching, Dyeing & Printing Works, Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. January 3, 1938.

Class 13. No. 62903. The Standard Mills Co. Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. January 3, 1938.

Class 13. No. 62905. The Calico Printers' Association Ld., of St. James's Buildings, Oxford Street, Manchester, England. January 4, 1938.

Class 13. No. 62906. F. Steiner & Co. Ld., of Church, Lancashire, England. January 5, 1938.

Class 13. Nos. 62907 to 62912. The Khatau Makanji Spinning & Weaving Co. Ld. of Laxmi Building, Ballard Pier, Fort, Bombay, British India. January 5, 1938.

Class 14. No. 62913. The Khatau Makanji Spinning & Weaving Co. Ld., of Laxmi Building, Ballard Pier, Fort, Bombay, British India. January 5, 1938.

Extension of Copyright in Designs.

Copyright in the following design has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the design included in that entry:—

Class 1. No. 56444. Satish Chandra Coondoo, of 20, Raja Woodmunts Street, Calcutta, British India. February 8, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.

CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, ore.
Do. . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON . (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

Calcutta, the 13th January 1938.

Portions of the following notes of the Calcutta Circle of Issue are stated to have been destroyed, and payment of their value has been claimed by the persons whose names are placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned :—

Register No.	Number of Notes.	Value.	Name of Claimant.
		Rs.	
W.D.-3 of 1938.	T/21-760584	100	Vali Vajir Chodhari Kanodar, Palanpur State, N. Guzrut.
W.D.-4 of 1938.	VA/92-07784	100	Bepin Behari Das, Kote Bazar, Midnapur Town.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

S. GUPTA,

Currency Officer.

Bombay, the 17th January 1938.

Portions of the following notes of the Bombay Office of Issue are stated to have been destroyed, and payment of their value has been claimed by the persons whose names are placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Notes.	Value.	Name of claimant.
		Rs.	
D-1 of 1938 .	S/38-066952 S/66-313309	100 100	Mr. Govindbhai Naranbhai Patel, Alad Pura, Tal. Dabhoi, Baroda State.
D-2 of 1938 .	S/66-843260	100	Dr. Dattatraya Chimtaman Phatak, Chopda, District East Khandesh.
D-3 of 1938 .	S/81-917702 T/19-133749	100 100	Mr. Shankarrao Nimbaji Shintre, B.A., LL. B., Pleader, Nandurbar, West Khandesh.
D-4 of 1938 .	T/19-823268 T/36-370606	100 100	Mr. Devchand Ranchhod, Samadhiala, Post Chalala, District Kathiawar.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, BOMBAY.

V. G. DESHMUKH,

Currency Officer.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Calcutta, the 29th December 1937.

No. 41.—It is hereby notified that the third annual general meeting of the Bank will be held on Monday, the 7th February 1938, at the Diwan Hall, Chandni Chowk, Delhi, at 2-30 P.M. (Standard Time). The following business will be transacted :—

(*a*) The balance sheet as on the 31st December 1937 and the Profit and Loss Account of the Bank for the year together with the Auditors' report will be read and considered.

(*b*) The Auditors will be elected and their remuneration fixed.

J. B. TAYLOR,

Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Calcutta, the 10th January 1938.

In pursuance of Schedule II, Regulation 51, of the Imperial Bank of India Act, 1920, the Central Board has empowered the undernoted officers to exercise the signing powers detailed below:—

1. *To endorse and transfer promissory notes, stock-receipts, stock-debentures, shares, securities and documents of title to goods, standing in the name of or held by the Bank, and to draw, accept and endorse bills of exchange, bank post-bills, and letters of credit, in the current and authorised business of the Bank, to sign all other accounts, receipts and documents connected with such business and to execute proxies to vote at meetings on behalf of shareholders from whom the Bank holds general powers of attorney:*—

The Deputy Secretaries and Treasurers, Calcutta, Bombay and Madras.

The Manager, Foreign Exchange Department.

The Chief Inspector.

Inspectors.

Assistant Inspectors.

The Chief Accountants, Calcutta, Bombay and Madras.

The Head Assistants, Accountant's Department, Calcutta and Bombay.

The Deputy Accountant, Madras.

The Superintendent of Branches, Bombay.

The Superintendents, Advances Department, Calcutta and Bombay.

The Superintendents, Securities Department, Calcutta and Madras.

The Head Assistant, Securities Department, Calcutta.

The Registrar of Securities, Bombay.

The Deputy Registrar of Securities, Bombay.

The Superintendent of Discounts, Bombay.

The Superintendent, Central Accounts Office.

The Manager, London Office.

The Accountant, London Office.

The District Managers, Cawnpore and Lahore.

Agents, Sub-Agents and Accountants at Branches.

Sub-Agents at Sub-Branches.

*Staff Assistants acting as Accountants at Branches.

The Senior Assistant Accountant, Lahore Branch.

**Note*.—Each appointment of a staff assistant to act as an accountant at a branch will be specially gazetted.

2. *To sign receipts and to endorse cheques and drafts:*—

Assistant Accountants at Local Head Offices and Branches.

Staff Assistants at Local Head Offices and Branches.

3. *To receipt government credit vouchers for amounts not exceeding Rs. 500:*—

Sub-Accountants, Acting Sub-Accountants, Probationary Assistants and Head Clerks at such Branches and Sub-Branches as the Local Boards may notify in the Local Official Gazette.

4. *To receipt government credit vouchers and to discharge bills of exchange, cheques, drafts and documents of title to goods:*—

Employees in charge of Treasury Pay Offices.

5. *To discharge bills of exchange, cheques, drafts and documents of title to goods:*—

Employees in charge of Pay Offices and Sub-Pay Offices.

N.B.—This notification embodies with certain amendments all previous notifications of this nature issued from time to time which are hereby superseded with effect from 10th January 1938, *i.e.*, the date on which the powers herein notified come into force.

W. LAMOND,

Managing Director.

IMPERIAL VETERINARY RESEARCH INSTITUTE, MUKTESWAR.

NOTIFICATIONS.

Mukteswar-Kumaun, U. P., the 14th January 1938.

No. C./43.—Khan Sahib Ch. Abdul Ghani, Veterinary Deputy Superintendent, Biological Products Section, Imperial Veterinary Research Institute, Izatnagar, is granted leave on average pay for 4 months with effect from the 1st March 1938, preparatory to retirement.

Mukteswar-Kumaun, U. P., the 19th January 1938.

No. C./57.—Mr. P. C. Banerji, G.C.V.C., Veterinary Deputy Superintendent, Imperial Veterinary Research Institute, Mukteswar, is granted leave on average pay for one month and 16 days from the 24th January 1938 to the 11th March 1938, with permission to avail Sunday, the 23rd January 1938, and Moharram and Holi holidays from the 12th to the 17th March 1938.

Mr. N. C. Sen, G.C.V.C., is appointed to officiate as Veterinary Deputy Superintendent, Mukteswar, from the 24th January 1938 *vice* Mr. P. C. Banerji.

W. TAYLOR,

Offg. Director,

Imperial Veterinary Research Institute.

duplicate

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 22nd January 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

SURVEY OF INDIA.

Eastern Circle.

NOTIFICATION.

Shillong, the 10th January 1938.

No. 1.—Mr. Roshan Lal Ghei, Probationer, Class II Service attached to No. 4 Party (E. C.), Survey of India, is granted under Revised Leave Rules 1933, 'earned leave' on average pay for 21 days with effect from 10th December 1937.

F. J. M. KING, Colonel,

Director, Eastern Circle,

Survey of India.

OFFICE OF THE CONTROLLER OF BROADCASTING.

NOTIFICATION.

New Delhi, the 14th January 1938.

No. F. 3 (6) E./38.—Mr. Z. A. Bokhari, Station Director, All-India Radio, Delhi, is transferred to the All-India Radio Station, Bombay, with effect from the 18th December 1937 (afternoon) where he assumed charge on the 20th December 1937 (forenoon).

On relief by Mr. Bokhari, Mr. N. A. S. Lakshmanan, Officiating Station Director, All-India Radio, Bombay, is transferred to All-India Radio, Delhi, in the same capacity, and assumed charge there on the 22nd December 1937 (forenoon).

LIONEL FIELDEN,

Controller of Broadcasting.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 13th January 1938.

No. S. 80-12.—The following Postmasters, Grade B, are appointed substantively as Postmasters, Grade A, with effect from the date shown against each:—

Mr. D. T. Joshi, Assistant Superintendent, Foreign Post, Bombay	12th November 1937.
Mr. A. M. Querpis, Head Clerk, Correspondence Department, Bombay . . .	19th November 1937.
Mr. K. Erachshaw, Postmaster, Satara	2nd December 1937.
Mr. Bhudeb Mukherjee, B. A., Assistant Presidency Postmaster, Calcutta General Post Office	3rd January 1938.
Mr. D. N. Sen, Postmaster, Darjeeling	3rd January 1938.

New Delhi, the 20th January 1938.

No. S. 77/4.—Rao Bahadur G. N. Naidu, B.A., B.L., Deputy Postmaster-General, Central Circle, is granted leave on half average pay for one month, with effect from the 17th January 1938, in further extension of the leave granted to him in the Department of Industries and Labour Notification No. S.-77/4, dated the 28th September 1937.

G. V. BEWOOR,

Director-General of Posts and Telegraphs

GOVERNMENT OF BIHAR.

REVENUE DEPARTMENT.

Patna, the 10th January 1938.

MEMORANDUM OF AGREEMENT made the 9th day of August One thousand nine-hundred and thirty-seven Between *Messrs. the Sone Valley Portland Cement Company Limited* a company incorporated under the Indian Companies Act 1913, having its registered office at No. 12, Mission Row, Calcutta (hereinafter called "the Company") of the One Part and *The Government of Bihar* (hereinafter called "the Governor") of the Other Part;

WHEREAS the Company intends to construct an Aerial Ropeway, Motor Car Road, Buildings and other structures for the transport and storage of Limestone and has applied to the Government of Bihar (hereinafter called "the Provincial Government") for the acquisition under the provisions of the Land Acquisition Act I of 1894 as amended by Act XXXVIII of 1923 and Act XVI of 1913 (hereinafter referred to as "the said Act"), of the lands described in the Schedule hereunder written and delinated on the map* hereunto annexed for the above works in connection with the business and objects of the Company;

AND WHEREAS the Provincial Government being satisfied by an enquiry held under its order under Section 40 of the said Act that the said acquisition is necessary for the construction of the said works and that such works are likely to prove useful to the public, have consented to the said acquisition pursuant to the provisions of the said Act on condition of the Company entering into such agreement as is hereinafter contained:

NOW THESE PRESENTS WITNESS AND IT IS HEREBY AGREED AND DECLARED as follows:—

1. The Company shall and will provide for payment of and reimburse to the Provincial Government in the manner hereinafter mentioned the entire cost of acquiring the said lands pursuant to the provisions of the said Act including all compensation, damages, costs, charges and expenses whatsoever which have been or may be paid or incurred in respect of or on account of such acquisition and all law costs and other expenses which have been or may be incurred by the Provincial Government upon or in respect of or incidental to the said acquisition or any litigation arising therefrom, either in the Original or Appellate Court and including the costs of the establishment and salary of the officer or officers of the Government to be employed by the Provincial Government in connection with or for the purpose of such acquisition.

The moneys which shall become payable as aforesaid shall be paid by the Company to the Collector under the said Act within seven days of the receipt of a notice from the said Collector in this behalf requiring payment of the whole or any part of such moneys as may be due and payable.

* Not printed.

2. On payment of all sums which may be payable under the preceding clause the Governor shall make over possession of the said lands to the Company and transfer the said lands to the Company by proper deed or deeds so as to vest the same absolutely in the Company subject to the conditions hereinafter contained and the said lands shall be used by the Company for the works and purposes set forth in the preamble.

3. The works hereinbefore specified shall be commenced immediately on such transfer being completed and shall be completed and rendered fit for use within a period of six months from the completion of the said transfer or such further period as the Collector of Shahabad (Arrah) may signify in writing.

4. If at any time or times any part or parts of the said lands shall be necessary to be possessed by the Provincial Government for the purpose of revenue administration or for purposes connected with public health, safety or necessity (of which matter the Provincial Government shall be sole judge) the Company shall on being thereunto required by the Provincial Government transfer to the Governor such part or parts of the said lands as are still vested in the Company as the Provincial Government shall specify to be necessary for the purposes aforesaid and in consideration of such transfer the Governor shall pay to the Company a sum equal to the amount of the compensation awarded under the said Act and paid by the Company in respect of the land the subject of the transfer upon the acquisition thereof for the Company including the amount awarded in respect thereof under Section 23(2) of the said Act together with compensation for the buildings and structures erected on and over such part or parts of the land transferred to the Governor at a valuation to be determined by the Collector of Shahabad (Arrah). An appeal from the decision of the Collector shall lie to the Commissioner and the decision of the Collector or where an appeal has been preferred against such decision the decision of the Commissioner determining such valuation as aforesaid shall be final, conclusive and binding on the Company.

5. If at any time the said lands or any part or parts thereof shall no longer be required by the Company for the works and purposes set forth in the preamble hereof the Company shall, if desirous of selling or assigning the said lands or such part or parts thereof as aforesaid, first offer the same to the Provincial Government at price equal to the amount of compensation awarded under the said Act and paid by the Company in respect of the lands so intended to be sold upon the acquisition thereof for the Company including the amount awarded in respect thereof under Section 23(2) of the said Act and shall not make any sale or assignment thereof to any other party until such offer shall have been declined by the Provincial Government.

When such offer has been made by the Company, the Provincial Government may accept it

in respect of such part or parts of the land so offered as it may deem fit and decline it as to the remainder.

If the Provincial Government shall not accept the said offer either in whole or in part and notify the Company of such acceptance within six months of the offer being made to the Provincial Government then the offer shall be deemed to have been refused by the Provincial Government and the Company shall be entitled to sell or assign the said lands not required by the Company or so much thereof as the Provincial Government have not accepted free of any claim thereto or against the Company in respect thereof by the Provincial Government.

If the Provincial Government accept any offer made under this clause the Company shall be entitled within six months from the date on which such acceptance is communicated to the Company to remove all buildings and structures on and over the land or part or parts thereof accepted as aforesaid by the Provincial Government.

6. The public will have such right of access to and passage over the said lands acquired for the Company as may be necessary for the transaction of their business with the Company.

7. In the case of a breach by the Company of any of the terms and conditions of this Agreement, the Governor shall be entitled to re-enter on the whole of the said lands without payment of any compensation to the Company and upon such re-entry the interest of the Company in the said lands shall cease and determine.

8. In the event of re-entry by the Governor under this clause the Company shall be entitled to remove within six months from the date of such entry all buildings and structures on and over the said lands.

9. Should any dispute or difference arise touching or concerning the subject-matter of this Agreement or any covenant or clause or thing herein contained other than dispute or difference as to the valuation of the buildings and structures determined or to be determined under the provisions of Clause 4, the same shall be referred to the Provincial Government and the opinion and the decision of the said Government upon such dispute or difference shall be final and conclusive and binding on the parties hereto.

Schedule of the Lands.

Name of Mouza, Pargana Thana, Thana number and District and Sub-Registry Office, Arrah.	Plot Number.	Area.	Boundaries.
	Ropeway—3·617 acres.		
1. Daranager, Thana No. 704 Thana Sasaram Pargana Rohtas, T. No. 4812, District Shahabad.	P. No. 1 . .	1·318 0·729	North.—By the Hill slopes and P. No. 1. East.—By the boundary line of Sone Valley Portland Cement Co.'s quarry. South.—By the part of plot No. 1. West.—By the true north line from the Tri-junction Stone at Saraidand.
2. Bhadara, Thana No. 677 Thana Sasaram, Ph : Rohtas T. No. 4812, District Shahabad.	P. Nos. 1 and 12	0·201	North.—By the Hill slopes. East.—By the true north line from the Tri-junction Stone at Saraidand and Bhadara. South.—By the hill slopes. West.—By the true north line boundary from the Trijunction stone at Bhadara and Kamalkhairwa.
3. Jaintipur, Thana No. 663 Thana Sasaram, Ph : Rohtas T. No. 4812, District Shahabad.	P. No. 3 . .	0·964	North.—By the hill slopes and part of plot No. 3. East.—By the nala and boundary line of Baraicha. South.—By the part of plot No. 3 and the car-road. West.—By the nala and boundary line of Nimhat.
4. Nimhat, Thana No. 662 Thana Sasaram, Ph : Rohotas T. No. 4812, District Shahabad.	P. No. 1 . .	0·027	North.—By the nala of Nimhat and part of P. No. 1. East.—By the nala of Nimhat. South.—By the S. V. P. C. Co.'s car road and part of plot No. 1. West.—By the boundary line of Deodand.
5. Deodand, Thana No. 661 Thana Sasaram, Ph : Rohtas T. No. 4812, District Shahabad.	P. No. 2 . .	0·378	North.—By the part of plot No. 2. East.—By the boundary line of Nimhat. South.—By the part of Plot No. 2 and the car road. West.—By the land under acquisition for tension and station.

Name of Mouza, Pargana Thana, Thana number and District and Sub-Registry Office, Arrah.	Plot Number.	Area.	Boundaries.
	Car Road—9·740 acres.		
1. Daranager, Thana No. 704 Thana Sasaram, Ph : Rohtas T. No. 4812, District Shahabad.	P. No. 1 . .	2·438 *1·088*	North.—By the hill slopes of Daranager part of plot No. 1 and the Aerial Ropeway. East.—By the boundary of S. V. P. C. Co.'s quarry. South.—By the part of plot No. 1 and the aerial ropeway. West.—By the true north line boundary from the Trijunction stone at Saraidand.
2. Bhadara, Thana No. 677 Thana Sasaram, Ph : Rohtas T. No. 4812, District Shahabad.	P. Nos. 1 and 12	0·325	North.—By the hill slopes of Bhadara and lime stone quarry of Sonepura Estate. East .—By the true north line boundary from the Trijunction stone at Saraidand. South.—By the part of Plot No. 1 of Bhadara. West.—By the true north line boundary from the Trijunction Stone at Bhadara.
3. Baraicha, Thana No. 671 Thana Sasaram, Ph : Rohtas T. No. 4754, District Shahabad.	P. No. 2 . .	2·915	North.—By the part of plot No. 2 and the Rohtas Hill slopes. East.—By the boundary line of Kamalkhairwa. South.—By the part of Plot No. 2. West.—By the boundary line of Jaintipur.
4. Jaintipur, Thana No. 663 Thana Sasaram, Ph : Rohtas T. No. 4812, District Shahabad.	P. No. 3 . .	2·419	North.—By the part of plot No. 3 and the Aerial Ropeway. East.—By the boundary line of Baraicha & plot No. 3 (part). South.—By the part of Plot No. 3. West.—By the land under acquisition and portion of plot No. 3.
5. Nimhat, Thana No. 662 Thana Sasaram, Ph : Rohtas T. No. 4812, District Shahabad.	P. No. 1 . .	0·046	North.—By the Aerial Ropeway. East.—By the nala of Nimhat and land under acquisition in plot No. 22. South.—By the part of plot No. 1. West.—By the boundary line of Deodand.
6. Deodand, Thana No. 661 Thana Sasaram, Ph : Rohtas T. No. 4812, District Shahabad.	P. No. 2 . .	0·509	North.—By the part of Plot No. 2 and the Aerial Ropeway. East.—By the boundary line of Nimhat. South.—By the part of plot No. 2. West.—By the land under acquisition for the tension and station.
	For general purposes—69·214 acres.		
1. Daranager, Thana No. 704 Thana Sasaram, Ph : Rohtas T. No. 4812, District Shahabad.	P. No. 1 . .	0·091	North and East.—By the part of plot No. 1. South.—By the S. V. P. C. Co.'s Car road under acquisition. West.—By the part of plot No. 1.
2. Baraicha, Thana No. 671 Thana Sasaram, Ph : Rohtas T. No. 4754, District Shahabad.	P. No. 2 . .	2·750 *10·479*	North.—By the boundary of Rohtas Hill Slopes. East.—By the nala and part of plot No. 2 of Baraicha. South.—By the S. V. P. C. Co.'s Car road under acquisition. West.—By the part of plot No. 2. North.—By the boundary of Rohtas Hill slopes. East.—By the part of plot No. 2 of Baraicha. South.—By the S. V. P. C. Co.'s Car road under acquisition. West.—By a public path and part of plot No. 2 of Baraicha.
3. Jaintipur, Thana No. 663, Thana Sasaram, Ph : Rohtas T. No. 4812, District Shahabad.	P. No. 3 . .	15·500	North.—By the hill slopes of Jaintipur and the boundary line of S. V. P. C. Co.'s quarry land and quarters. East and South.—By the part of plot No. 3. West.—By the nala and boundary line of Nimhat.
4. Nimhat, Thana No. 662 Thana Sasaram, Ph. Rohtas T. No. 4812, Distric Shahabad.	P. No. 22 .	35·000	North.—By the Hill slopes of Nimhat and the boundary line of S. V. P. C. Co. Ltd. East.—By the nala and boundary line of Jaintipur. South.—By the part of Plot No. 22. West.—By the nala of Nimhat.

Name of Mouza, Pargana, Thana, Thana number and District and Sub-Registry Office, Arrah.	Plot Number.	Area.	Boundaries.
For General purposes—69·214 acres—contd.			
5. Deodand, Thana No. 661, Thana Sasaram, Ph. Rohtas, T. No. 4812, District Shahabad.	P. No. 2 . .	2·984 2·410 5·394	North.—By the part of plot No. 2. East and South.—By the boundary line of Nimhat. West.—By the part of plot No. 2 of Deodand and boundary line of Nimhat. North.—By the part of plot No. 2. East.—By the Ropeway and car road. South.—By the part of plot No. 2. West.—By the boundary of S. V. P. C. Co.'s quarry land.

In Witness whereof the Company has caused its Common Seal to be hereunto affixed and the Government of Bihar has caused these presents to be executed on his behalf this day and year first above written.

The Common Seal of the abovenamed Messrs. The Sone Valley Portland Cement Company, Limited as hereunto affixed and these presents were signed by Messrs. Martin & Co. its Managing Agents and countersigned by its Secretary in terms of the resolution of the Directors of the Company dated 8th January 1937 in the presence of

Sone Valley Portland Cement Co., Ld.

(Sd.) (Illegible.)
Managing Agents.

(Sd.) (Illegible.)
Secretary.

Witness.—A. Parsons.

12, Mission Row.

Signed, Sealed and Delivered by

(Sd.) A. G. K. LAL.

Offg. Secretary to Government of Bihar, Revenue Department........Branch, for and on behalf of the Government of Bihar acting in the premises for and on behalf of the Government of Bihar in the presence of

Witness.—(Sd.) S. P. SINHA,

Assistant Secretary to Government.

CONTROLLER OF MILITARY ACCOUNTS, WESTERN COMMAND.

List of Government Promissory Notes and other securities remaining in deposit with the Controller of Military Accounts, Western Command, Kiamari, on 31st December 1937, on account of security of contractors, *etc.*

Names of offices who are holding securities.	Government Promissory notes 3 % of 1896-97.	War Bonds 5 % and $5\frac{1}{2}$ % of 1920-21.	Postal Cash Certificates.	Total.	Remarks.
	Rs.	Rs.	Rs.	Rs.	
Controller of Military Accounts, Western Command, Kiamari.	(*a*) 8,500	(*a*) 5,000	9,440	22,940	(*a*) These are held by the Reserve Bank of India, Calcutta, for safe custody.

KIAMARI;
The 15th January 1938.

(Illegible)

D. A. Controller of Military Accounts, Western Command,

OFFICE OF THE CONTROLLER OF MILITARY ACCOUNTS, NORTHERN COMMAND.

List of Government promissory notes and other securities remaining in deposit with the Controller of Military Accounts, Northern Command, on the 31st December 1937, on account of security deposits of contractors, etc.

No.	Designation of officer from whom received and to whom interest 'A' is sent.	Amount of Investment. G. P. Notes. 3½ per cent. 1842-43.	3½ per cent. 1854-55.	3½ per cent. 1900-01.	3 per cent. 1896-97.	5 year Post Office Cash Certificates.	Post Office Saving Bank.	G. P. Notes.	Bank deposit receipts.	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	'A' on which interest is drawn.									
	C. R. E. S., Peshawar and Kohat and G. E. S., Rawalpindi, Chaklala and Jhelum, Abbotabad, Thal, Bannu, Kohat and O. C., Kohat.	.	..	..	(a) 500	10,930	(c) 2,750	..	650	14,830
	A. D. S. S. & T., Rawalpindi, Kohat, Peshawar and Wazir Districts, Assistant Directors, Grass and Dairy Farms, O. C., Remount Depots, Mara and Sargodha and D. R. O., Shahpur.	1,000	2,300	2,100	(a) 500	21790/6	..	(b) 2,800	58977 /12/8	89468-2-8

(a) With the Reserve Bank of India.
(b) With the Treasury Officer, Lahore.
(c) This was shown under Bank Deposit Receipts last year.

RAWALPINDI;

The 17th January 1938.

ARJAN SINGH,

D. A. C. M. A., Accounts Branch, Northern Command.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that the orders of this Court adjudging the undermentioned persons insolvents, pursuant to the provisions of Act III of 1909 (the Presidency Towns Insolvency Act) were annulled by orders made herein on dates mentioned in the last column.

No. of petition.	Name and address of the insolvent.	Date of annulment.
40 of 1935	K. G. Venkatachaliah, Commission Agent, residing at No. 12, Kandappa Gramani Street, Purasawalkam, Madras.	16th December 1937.
158 of 1937	Amirthalal Ramakumar, Piece Goods Merchant, residing at No. 19, Penia Neikanan Street, Sowcarpet, Madras.	13th December 1937.
281 of 1937	T. S. Aiyavier and the Firm of T. S. Aiyavier and Sons, carrying on business at No. 1/26, Venkatachala Mudali Street, Park Town, Madras.	Do.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 11th January 1938.

R. JAYARAM,
1st Asst. Registrar.

CENTRAL BOILERS BOARD.

NOTIFICATION.

New Delhi, the 19th January 1938.

No. A. 908.—Mr. C. M. Ker, I.C.S., is appointed to be Secretary to the Central Boilers Board.

A. G. CLOW,

Chairman, Central Boilers Board.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATION.

New Delhi, the 20th January 1938.

No. 192-An.—Mr. S. S. Sudrik, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Southern Command, has been granted, pending retirement, privilege leave for one month and 18 days with effect from the forenoon of the 15th January 1938.

M. R. COBURN,

Military Accountant General.

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 7th January 1938.

No. 12852-C. T./2-E./44.—Mr. A. M. Bose, M.A., Income-tax Officer, Dinajpur-Malda is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 6 days with effect from the 3rd January, 1938, with permission to prefix X'Mas and New Years Day holidays and Sunday the 2nd January, 1938 and to affix Sunday the 9th January, 1938, to the leave.

S. N. BANERJEA,

Commissioner of Income-Tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 15th January 1938.

No. H. E. 17.—Dr. R. H. Lulla, District Medical Officer has been granted four months leave on average pay combined with two months leave on half average pay out of India with effect from the 9th February 1938 or subsequent date of relief.

Calcutta, the 18th January 1938.

No. 252-E.—Mr. J. C. Gibson, Deputy Chief Mechanical Engineer, was granted the following leave out of India:—

Average pay for 3 months and 23 days from the 28th February 1937 to the 19th June 1937.

Half average pay for 5 months and 16 days from the 20th June 1937 to the 5th December 1937, interrupted by deputation in Europe from 18th to 24th October 1937 inclusive.

This cancels notification No. 252-E., dated the 9th March 1937, published in the *Gazette of India*, Part II, dated the 13th March 1937.

No. OPE-418-P.5.—Mr. L. H. Bickers, Assistant Superintendent, Lower Gazetted Service, Transportation (Traffic) and Commercial Departments, has been granted 118 days' privilege leave combined with 18 months' furlough on half pay in India preparatory to retirement with effect from the 12th December 1937.

No. A. E. 780/1.—Mr. S. Tidy, Assistant Executive Engineer, junior scale, was appointed to officiate as Executive Engineer, senior scale, from the 11th October 1937 to the 3rd November 1937 inclusive.

J. A. BELL,

Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATIONS.

Calcutta, the 14th January 1938.

No. 1.—With reference to this office Notification No. 34, dated the 24th September 1937, Mr. M. H. Elliott, Assistant Executive Engineer was granted an extension of leave on average pay for one day on the 21st September 1937.

E. L. MANLEY,

Chief Engineer.

Calcutta, the 15th January 1938.

No. 2.—Mr. S. S. Halder, Assistant Traffic Superintendent, is granted leave on average pay for 2 months and 16 days with effect from the 13th December 1937.

L. W. VAN SOMEREN,

Traffic Manager.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 11th January 1938.

No. 2.—Mr. J. E. Heinig, Executive Engineer, is granted leave (out of India) for 8 months, *viz.*, leave on average pay for 5 months and on half average pay for the remaining period, with effect from 8th February 1938, or subsequent date of relief.

Lahore, the 13th January 1938.

No. 3.—Rai Bahadur D. N. Batra, Deputy Chief Engineer, is granted an extension of leave on average pay on medical certificate for two months with effect from 15th December, 1937.

No. 4.—Mr. M. R. Zaman, an officer on probation in the Junior Scale of the Transportation (Power) and Mechanical Engineering Branch, is confirmed in his appointment with effect from the 4th January 1938.

C. F. CARSON,

Lt.-Col., R. E.,

Agent, North Western Railway.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, JANUARY 29, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Local Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 29th January 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

January 15, 1938.

24844. S. D. Master and S. R. Lalkaka. Improvements in Indian "katchha" or grip truss or hanper or suspender and the like with a waiste band tie or belt for same.

24845. Standard Telephones and Cables Ld. Improvements in or relating to electric remote indication systems. (January 15, 1937).

January 17.

24846. W. Banham. Improvements in power transmission, conveyor and similar belting, friction surfaces such as brake linings and the like. (January 26, 1937).

24847. Union Oil Co. of California. Lubricant and process of making it.

24848. H. S. Dixon. Improvements in and relating to tents, boats, masts and other collapsable structures comprising inflatable pneumatic tubes or framework.

24849. Pirie, Appleton & Co., Ld. An improved method and means for the manufacture of envelopes, bags, and similar articles from a continuous web.

24850. International Combustion Ld., and W. F. Harlow. Improvements in centrifugal pumps. (April 26, 1937).

24851. Standard Telephones and Cables Ld. Improvements in or relating to electrical communication systems. (January 25, 1937).

24852. Imperial Chemical Industries Ld. Improvements in or relating to the treatment of textiles. (January 23, 1937).

24853. W. Voith, H. Voith and H. Voith (trading as the firm of J. M. Voith). Improvements in or relating to blade-wheel propellers.

24854. A. Goditiabois and F. J. Pirlot. Improved apparatus for imparting vibratory motion.

24855. P. Uldall. An *anti*-waste cock. [Addition to No. 22715].

24856. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to thermionic valves. (February 11, 1937). [Addition to No. 23502].

24857. Kingsbury Engineering Co., Ld. Improvements in and relating to type casting machines. (March 2, 1937).

24858. S. S. Wrightson. Improved rail chairs or tie plates.

24859. C. Wagner. Improvements in or relating to warp stop motions.

24860. Burn & Co., Ld., and G. P. Chestney. Improvements in or relating to railway crossings and wing-rails therefor.

January 19.

24861. The General Electric Co., Ld. Improvements in vacuumtight ceramic bodies suitable for sealing to soft glass. (January 20, 1937).

January 21.

24862. N. V. De Bataafsche Petroleum Maatschappij. Process for the manufacture of lubricants.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23588. Government Central Press, H. E. H. the Nizam's Government. An improved type fount for and manner of printing Naskh script. *Initial, medial and end characters are joined in one alignment.*

23589. Government Central Press, H. E. H. the Nizam's Government. An improved type fount for and manner of printing Suls script. *Initial, medial and end characters are joined in one alignment.*

23598. E. W. Cosserat. An improved form of nut for use on a bolt which is used for clamping two or more parts tightly together. *Two parts threaded together, pitch of the threads between them being different from that of bolt thread.*

23610. A. K. Ghosh. Call registering substation telephone sets. *Means at subscribers' end operate meter before the exchange can function.*

23613. Standard Telephones and Cables Ld. Thermionic amplifiers. (March 3, 1936). *Impedance of output load of amplifying device varies in dependence upon exciting voltage.*

23624. Filter Tips Ld. Improved manufacture of filter tip cigarettes. (January 24, 1936). *Uniting wrappers around the assembled lengths without any rolling or other movement of the cigarettes.*

23826. Davidson and Co. Ltd. Improvements in tea rolling machines. (December 9, 1936). *Pressure cap mechanism embodying multiple speed gear drive.*

24060. W. E. Williams. Improvements in aspherical and like lenses, mirrors and other precision optical devices. *Hot pressing plastic glass between optically polished dies.*

24368. H. J. Lentz. Valve distribution for piston steam engines for locomotives and the like. *Lifting face of admission cams rises to same height on whole axial length with generating lines parallel to axis of rotation and control elements are in linear contact with said face.*

24389. Metropolitan-Vickers Electrical Company, Limited. Improvements relating to control systems for electrical winding equipments for mine hoists and the like. *Emergency trip automatically causes progressive reinsertion of resistance in excitation circuit of generator.*

24390. Metropolitan-Vickers Electrical Company, Limited. Improvements relating to control systems for electrical winding equipments for mine hoists and the like. *Resistances automatically inserted in the circuit of the alternating current motor which drives the generator.*

24447. J. D. Rogers, and Whitelegg & Rogers Limited. Improvements in and relating to the supply of air to boiler fires and particularly to locomotive and the like fireboxes. *Secondary air controlled in accordance with steam through dampers.*

24473. F. Morawetz. A method and devices for transmitting and receiving time signals. *Time announcements from a sound record transmitted by a carrier wave of short wavelength.*

24479. Candy Filters (India) Limited and R. W. Aitken. Improvements in and relating to swimming baths, bathing pools and like installations. *One or more overflow channels discharges surface water in storage chamber from which pump of circulatory purifying system draws water.*

24541. Sharp & Dohme, Incorporated. Preservation of desiccated biologically active substances. (May 21, 1937). *Desiccating the frozen substance in vacuum, introducing a perforable stopper and sealing the neck of the container above the stopper.*

24542. Sharp & Dohme, Incorporated. Preservation of biologically active and other substances. (May 26, 1937). *Perforable stopper introduced into the neck of the container in vacuum and the container sealed above the stopper.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each:—

23148. Steel Brothers & Co., Ld.
23168. Watson, and Insular Lamps (Sydney) Ld.
23492. Banga Pratisthan.
23499. Courtaulds, Ld.
23556. Jefferies and Peirce, Leslie and Company Limited.
23943. Carrier Corporation.
23968. Madieu.
23998. Universal Oil Products Co.
24110. Universal Oil Products Co.
24127. Deal and Rowson.
24199. Amichand.
24288. Dewanchand & Sons.
24290. Newcon Industries Ld.
24299. Loibl.
24313. International General Electric Co. Inc.
24318. Chatterjee, Banerjee and Goswami.
24326. Jones & Attwood, Limited.
24336. Marconi's Wireless Telegraph Company, Limited.
24351. Borch and Middelboe.
24361. Magnesium Metal Corporation, Limited.
24393. Remfry.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

22998. Nagao.
23034. Kaden.
23250. Venugopal.
23258. Roscher and Hansing trading in partnership as Roscher and Hansing and Suberkrub.
23339. Watumal.
23370. Holroyd.
23373. Altenkirch.
23563. Venkataramanan.
23693. The American Securit Co.
23694. The American Securit Co.
23720. The General Electric Co., Ld.
23748. Davy and Sha.
23749. Davy and Sha.
23813. Jaiswal.
23855. Sharma.
23856. The Pioneer Trading Co.
23904. The Tata Iron and Steel Co., Ltd.
23959. Callender's Cable and Construction Co., Ld.
23974. Watson.
23995. Marconi's Wireless Telegraph Co., Ld.
24020. Bromilow & Edwards, Ld.
24024. Lahiri.
24055. Asa Singh.
24076. Fechner and Wussow.
24103. I. G. Farbenindustrie Aktiengesellschaft.
24104. Ruhrchemie Aktiengesellschaft.
24107. I. G. Farbenindustrie Aktiengesellschaft.
24156. Pescara.

Patents Sealed.

23026. Brooks.
23107. The General Electric Co., Ld.
23145. Farrer.
23146. Pierpoint and Crouch.
23160. Standard Telephones and Cables Ld.
23162. Standard Telephones and Cables Ld.
23165. Ray-D-Ize Corporation.
23176. Standard Telephones and Cables Ld.
23189. Rust Proofing Co. of Canada Ld.
23316. The General Electric Co., Ld.
23453. Banerjee.

23540. International General Electric Co. of New York Ld.
23582. Schmittutz.
23667. Vacseal Containers Ld., and Phillips.
23686. International General Electric Co. of New York Ld.
23689. Wilputte.
23700. "Snia-Viscosa" Societa' Nazionale Industria Applicazioni Viscosa.
23701. Patel.
23714. Mayo.
23746. Fawcett.
23828. Davidson & Co. Ld.
23911. The General Electric Co. Ld.
23986. Sprenger.
23988. The General Electric Co., Ld.
24014. Radio Corporation of America.
24016. Hughes and (Mrs.) Hughes.
24030. The Heatly Gresham Engineering Co. Ld.
24040. Ruhrchemie Aktiengesellschaft.
24044. Universal Oil Products Co.
24050. Hoare & Co. (Engineers) Ld.
24065. Ruhrchemie Aktiengesellschaft.
24067. Ronag A. G.
24068. Ronag A. G.
24069. Automatic Telephone and Electric Co. Ld.
24126. Fitzgerald.
24339. Automatic Telephone and Electric Co. Ld.

Opposition Proceedings.

(I)

The oppositions entered by the Chief Controller of Standardization, Central Standards Office for Railways, Railway Board, and by Bengal Nagpur Railway Co., Ld., to the grant of a patent on application No. 23077 made by The D. C. M. Products, Ld., and notified in Part II of the *Gazette of India*, dated the 26th June 1937 and 24th July 1937, respectively, have been allowed.

In the said opposition proceedings, it was necessary for the Controller to interpret the expressions "publicly used" and "made publicly known" occurring in Section 9 (1) (*d*) of the Indian Patents and Designs Act, 1911; and the Controller held that—

"an invention should be deemed to be publicly used and to be therefore not entitled to the grant of a patent subsequent to such user, if, in the course of regular business (as distinguished from experimental user), the said invention has been used without observing any secrecy about it, in any place to which persons without confidential relationship are allowed access; and that as regards "prior knowledge" through documentary publication, an invention should be deemed to be made publicly known if a document containing an adequate description of it, whether issued as a general publication or not, has in the course of ordinary business and without imposing any secrecy, reached an appreciable section of the public interested in the art to which the invention relates".

Copies of the full decision may be obtained from the Patent Office, No. 1, Council House Street, Calcutta, on payment of Re. 1 per copy.

(II)

This is an opposition entered by M. G. Pai to the grant of a patent on application No. 23555 made by W. Jefferies and Peirce Leslie & Co. Ld.

(III)

This is an opposition entered by the Chief Controller of Standardization, Central Standards Office for Railways, Railway Board, to the grant of a patent on application No. 23980 made by D. G. Erskine-Cowper and W. H. Coburn.

Amendment Proceedings

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Ruhrchemie Aktiengesellschaft, of Oberhausen-Holten, Germany, seek leave to amend the specification of their patent application No. 23985. Any person desirous of opposing the application for amendment should, at any time within three months from the date of this Gazette, give notice of his intention to do so in the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta.

The proposed amendments are as follows:—

Page 2, line 21, *after* the word "products" *insert* "repeatedly".

Page 3, line 11, *for* "in the case of heavy oils" *read* "in the case of producing heavy oils"; and *before* the word "light" *insert* "producing".

lines 23-24, *delete* "it is in practice not possible to absorb additional heat"; and *after* the word "layers" in line 24 *insert* "it is in practice not possible to absorb additional heat by employing suitable cooling surfaces".

line 43, *for* "outside the reaction temperature" *read* "outside the reaction vessel."

Page 4, line 14 (Claim 4), *for* "and for producing less of the viscous oils" *read* "and for producing less viscous oils".

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest:—

Nos. 12779, 15684, 17443, 17562, 20729, 21085 21226, 22265, 22269, 22309, 22419, 22436, 22562 and 23096. Dunlop Rubber Co. (India) Ld.

No. 23367. Visura Treuhand-Gesellschaft.

Renewal Fees Paid.

PATENTS.

10098. Becker. (To 30th April 1939).
12918. Datta. (To 24th January 1939).
13006. Strecker. (To 21st February 1939).
14003. I. G. Farbenindustrie Aktiengesellschaft. (To 30th January 1939).
14034. Williams. (To 7th February 1939).
14104. General Foods Co. (To 27th February 1939).
14154. Braithwaite & Co. Engineers, Ld., and anr (To 12th March 1939).
15398. Sperry Development Co. (To 18th February 1939).
15541. Adamcikas and anr. (To 31st March 1939).

15684. Wiener Edelsaitenfabrik Gesellschaft m. b. H. (To 29th April 1939).
15840. Treschow. (To 21st February 1939).
16686. Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (To 25th March 1939).
16712. Babcock & Wilcox, Ld. (To 10th February 1939).
16713. Babcock & Wilcox, Ld. (To 10th February 1939).
16717. Allmanna Svenska Elektriska Aktiebolaget. (To 11th February 1939).
16718. Allmanna Svenska Elektriska Aktiebolaget. (To 11th February 1939).
16798. Montecatini Societa' Generale per l'Industria Mineraria ed Agricola. (To 11th March 1939).
17675. Gill. (To 4th February 1939).
17741. Datta. (To 29th January 1939).
18487. Cross. (To 2nd February 1939).
18757. Allmanna Svenska Elektriska Aktiebolaget. (To 22nd February 1939).
18783. Allmanna Svenska Elektriska Aktiebolaget. (To 28th February 1939).
19588. Leslie and ors. (To 22nd January 1939).
19589. Leslie and ors. (To 22nd January 1939).
19657. Societe D'Electrochimie D'Electrometallurgie Et Des Acieries Electriques D'Ugine. (To 13th February 1939).
19682. Allmanna Svenska Elektriska Aktiebolaget. (To 23rd February 1939).
19695. Societe D'Electrochimie D'Electrometallurgie Et Des Acieries Electriques D'Ugine. (To 28th February 1939).
19696. Societe D'Electrochimie D'Electrometallurgie Et Des Acieries Electriques D'Ugine. (To 28th February 1939).
19811. Allmanna Svenska Elektriska Aktiebolaget. (To 14th February 1939).
20527. Mushtaq Ali Khan. (To 15th January 1939).
20536. Bharucha. (To 16th January 1939).
20559. Godrej & Boyce Manufacturing Co., Ld. (To 24th January 1939).
20618. Allmanna Svenska Elektriska Aktiebolaget. (To 15th February 1939).
20709. The Indian Hume Pipe Co., Ld. (To 19th March 1939).
20729. Dunlop Rubber Co., Ld. (To 20th May 1939).
20732. Durand & Huguenin A. G. (To 28th March 1939).

Cessation of Patents.

14913. Marconi's Wireless Telegraph Co., Ld.
14918. Sarkar.
16314. Piccardo.
16324. The Fractionator Co.
17454. United States Pipe & Foundry Co.
20304. Pettman and anr.
20312. Rickenbach and anr.
21207. Zircon Rutile, Ld.

Restoration Proceedings.

(I)

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911, for the restoration of the following patent :—

15930. Gas Accumulator Co. (United Kingdom) Ld., and G. Goodwin.

The patent ceased on the 4th August 1937 owing to the non-payment of the renewal fee within the prescribed time, and its cessation was notified in Part II of the *Gazette of India* dated the 20th November 1937. Any person may give notice of opposition to restoration by leaving patent form No. 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, 1, Council House Street, Calcutta, on or before the 12th March 1938.

(II)

Notice is hereby given that an order was made on the 18th January 1938, restoring the patent granted to Joseph John Curtis, for an invention for " An improved label holder ", numbered 19613 and dated as of the 1st February 1933.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 1. No. 62986. Hrishikesh Mukherjee, of 49/1A, Harish Mukherjee Road, Bhowanipur, Calcutta. January 20, 1938.

Class 3. Nos. 62938 and 62939. The Goodyear Tire & Rubber Co., of No. 1144 East Market Street, Akron, Ohio. United States of America. January 10, 1938.

Class 13. Nos. 62934 to 62937. Gosho Kabushiki Kaisha (Ltd.), of Oriental Building, McLeod Road, Karachi, (Bombay) British, India. January 8, 1938.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original proprietors of designs have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

Nos. 12759, 24884, 26178, 26180, 28104, 36965, 36974, 39614, 40249, 52895, 52898, 52899, 52900, 52901, 52902, 52903, 52904, 52905, 52906, 52907, 55411, 55412, 55413, 55961, 55962, 55963, 56440, 56441, 56442, 57174, 57175, 57176, 57177, 57178, 57935, 57936, 58199, 58200, 58201, 58202, 58203, 58204, 58664, 58919, 58920, 58921, 58922, 59115, 59116, 59117, 59118, 59337, 59996, 60260, 60356, 60357, 60358, 60359, 60360, 60361, 60362, 60363, 60364, and 60506. Dunlop Rubber Co. (India) Ld.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with

current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office Egmore.
Do. . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay, Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

OFFICE OF THE ACCOUNTANT GENERAL CENTRAL REVENUES.

New Delhi, the 21st January 1938.

The following is a statement of the cash balances of the Central and the Provincial Governments on the last day of December 1937 :—

	Rs.
(1) At the Reserve Bank of India in India	7,22,04,000
(2) At treasuries in India . .	1,13,84,000
(3) In England (Sterling converted at 18*d*. the Rupee) . .	91,93,000
TOTAL .	9,27,81,000

T. K. RAJAGOPALAN,

Accountant General, Central Revenues.

OFFICE OF THE ACCOUNTANT GENERAL POSTS AND TELEGRAPHS.

New Delhi, the 20th January 1938.

Statement showing the amounts realised and paid in each of the Postal Circles on account of Post Office 5-Year Cash Certificates, during November 1937, and the amounts outstanding at the end of the month.

[In thousands of rupees.]

Name of Postal Circle.	Cash realised from sales.	Amount repaid. Principal.	Amount of Principal outstanding.
	Rs.	Rs.	Rs.
Bengal and Assam .	20,07	24,81	11,37,57
Bihar and Orissa .	4,08	4,58	2,31,91
Bombay . .	30,12	39,01	16,52,37
Central . . .	9,09	10,05	4,22,42
Sind and Baluchistan	5,53	6,25	2,64,71
Punjab and N.-W. F.	20,65	29,37	11,34,44
United Provinces	17,38	19,17	3,41,73
Madras . . .	6,18	9,30	3,14,57
Burma . . .	..	62	1,30,83
TOTAL Nov. 1937 .	1,13,10	1,43,16	61,30,55
TOTAL Nov. 1936 .	1,02,09	1,15,77	65,50,64
TOTAL Nov. 1935 .	1,52,23	1,56,06	66,25,72

K. R. S. RAU,

Accountant General, Posts and Telegraphs.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for October 1937.

(In lakhs of Rupees.)

—	For October.		To end of October.		Whole year.	
	1936-37.	1937-38.	1936-37.	1937-38.	Revised, 1936-37.	Budget, 1937-38.
Revenue.						
Customs	4,10 (Customs and Central Excise Duties)	3,91	27,16 (Customs and Central Excise Duties)	25,01	47,07 (Customs and Central Excise Duties)	42,61
Central Excise Duties		47		4,58		7,16
Corporation Tax	1,22 (Corporation Tax and Taxes on Income)	4	5,92 (Corporation Tax and Taxes on Income)	29	13,92 (Corporation Tax and Taxes on Income)	1,45
Taxes on Income other than Corporation Tax		1,41		6,30		12,85
Salt	65	63	4,71	4,76	8,41	8,25
Opium	1	1	36	36	47	49
Railways—						
Gross receipts	7,67	7,84	52,90	56,39	96,70	96,10
Deduct—Working Expenses	*5,23*	*5,42*	*36,98*	*37,50*	*63,82*	*63,95*
Surplus Profits	..	*1*	*33*	*44*	*42*	*39*
Payments to Worked Lines	*22*	*20*	*1,56*	*1,63*	*2,97*	*2,88*
Net receipts	2,22	2,21	14,03	16,82	29,49	28,88
Subsidised Companies	..	4	3	6	18	14
Miscellaneous Railway Receipts	..	6	7	10	91	1,12
Posts and Telegraphs—Net receipts	—7	—8	—10	19	82	77
Other heads	39	26	2,17	1,78	5,43	10,48
Total	8,52	8,96	54,35	60,25	1,06,70	1,14,20
Expenditure.						
Railway Revenue Account—						
Interest and other charges	2,80	2,71	9,07	8,96	30,24	29,99
Interest on Debt—Gross	5,02	5,12	22,81	21,44	35,71	35,37
Deduct—Amount chargeable to—						
Railways	*2,62*	*2,56*	*8,04*	*7,92*	*28,22*	*28,18*
Irrigation	..	..	..	..	*2*	*7*
Posts and Telegraphs	..	..	..	..	*79*	*73*
Salt and other Commercial Departments	..	..	..	..	*8*	*7*
Provincial Loans Fund	..	..	..	..	*7,97*	..
Provincial Governments	..	..	..	..	..	*5,53*
Net charges	2,40	2,56	14,77	13,52	—1,37	79
Defence Services (Net)	3,42	3,89	23,70	26,40	44,62	44,62
Other heads	2,47	2,49	14,70	16,23	40,19	38,73
Total	11,09	11,65	62,24	65,11	1,13 68	1,14,13
Expenditure not charged to Revenue	6	1,40	3,21	4,13	3,29	5,66
Debt Heads—						
Permanent Debt (Net) India	—3	—3	+11,75	—12	+11,70	—11
Ditto England	—68	—99	—24,50	—2,53	—25,24	—2,84
Treasury Bills (Net) India	+8	+1,96	+10,71	+9,91	—2,44	+4,00
Ditto England	..	..	..	..	..	..
Ways and Means Advances (Net) India	..	..	..	..	..	..
Ditto England	..	..	..	..	.	..
Provincial Transactions (Net)	—4,54	..	—7,57	..	—4,35	..
Other Debt Head Transactions (Net)	+92	+1,58	+12,56	—1,54	+27,15	—3,65
Total	—4,25	+2,52	+2,95	+5,72	+6,82	—2,60
Total Transactions	—6,88	—1,57	—8,15	—3,27	—3,45	—8,19
Revenue less expenditure in Burma not included in the figures in columns 1936-37.	+57	..	+3,21	..	+5,06	..
Opening Balance	16,64	7,57	15,27	9,27	15,27	16,88
Closing Balance	10,33	6,00	10,33	6,00	16,88	8,69

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England and India respectively cancel each other.

NEW DELHI;
Dated the 20th January 1938.

T. K. RAJAGOPALAN,
Accountant General, Central Revenues.

No. C S. 370.

BENARES HINDU UNIVERSITY.

Balance Sheet of the Benares Hindu University as at 31st March 1936.

Capital and Liabilities.		Details.	Total.
		Rs. A. P.	Rs. A. P.
I. Perpetual grants—Capitalised value as per last B./S.—			
(i) For Permanent Reserve Fund . . .		12,80,000 0 0	
(ii) For chairs		6,85,714 4 6	
(iii) For scholarships		1,20,000 0 0	
(iv) For general purposes		89,14,285 11 6	
			1,10,00,000 0 0
II. Donations in cash, securities and properties—			
(i) For Permanent Reserve Fund as per last B./S.		37,20,054 0 0	
(ii) For special chairs as per last B./S. . .		3,42,200 0 0	
(iii) For endowments for scholarships and prizes as per last B./S. . .	Rs. A. P. 6,04,372 0 2		
Since added .	18,153 13 0		
		6,22,525 13 2	
(iv) For buildings and special purposes as per last B./S.	30,98,257 7 11		
Since added .	73,235 3 6		
		31,71,492 11 5	
(v) For general purposes as per last B./S. . .	68,57,614 9 10		
Since added .	1,56,960 1 6	70,14,574 11 4	
(vi) For women's college hostel as per last B./S.		2,91,000 0 0	
			1,51,61,847 3 11
(vii) Women's college Reserve Fund as per last B./S.		12,003 8 8	
			12,003 8 8
III. Central Hindu College properties excluding scholarship funds and revenue yielding properties, as per last B./S.		12,07,859 0 5	12,07,859 0 5

Properties and Assets.		Details.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.
I. Investments—			
(a)* 3½ per cent. Govt. Promissory Notes as per last B./S.	43,41,500 0 0		
Since added	12,100 0 0		
		43,53,600 0 0	
(b) 3 per cent. Govt. Promissory Notes as per last B./S.	4,500 0 0		
Since added	1,000 0 0		
		5,500 0 0	
(c) 4 per cent. G. P. Notes as per last B./S. . .	28,000 0 0		
Since added	700 0 0		
		28,700 0 0	
(d) 4½ per cent. Govt. Promissory Notes as per last B./S.		1,09,900 0 0	
(e) 5 per cent. U. P. Loan as per last B./S. . . .	4,45,300 0 0		
		4,45,300 0 0	
(f) 4 per cent. Bombay Municipal and Improvement Trust Debentures, as per last B./S.		27,500 0 0	
(g) 3½ per cent. Sterling loan as per last B./S. .		2,19,000 0 0	
(h) 5½ per cent. War Bonds as per last B./S. .		63,100 0 0	
(i) 5 per cent. War Bonds as per last B./S. . . .	51,200 0 0		
Since added	41,700 0 0		
		92,900 0 0	
(j) 6½ per cent. Treasury Bonds as per last B./S. .	15,200 0 0		
Since redeemed . . .	15,200 0 0		
		....	
(k) Shares of Newspapers Co., Ltd., Allahabad, as per last B./S. . . .		1,000 0 0	
(l) Shares of Delhi Cloth and General Mills Co., Ltd., Delhi as per last B./S. . .	250 0 0		
Since added	250 0 0		
		500 0 0	
(m) Shares of Arrah Sasaram Light Ry. Co., Ltd., as per last B./S. . . .		10,000 0 0	

Particulars	Rs. A. P.	Rs. A. P.	Rs. A. P.
IV. Debts, Deposits and Advances—			
(1) Provident Fund		7,13,961 9 7	7,13,961 9 7
(2) Special Funds—			
(a) Scholarships and Prizes . .		54,169 6 11	
(b) Manindra Chandra Chair . .		16,287 7 9	
(c) Jain Swetamber Chair . . .		1,016 6 0	
(d) Motichand Chair		3,104 8 0	74,577 12 8
(3) Central Hindu School Board Special Fund		87,847 8 5	87,847 8 5
(4) Security Deposit—	Rs. A. P.		
As per last B./S. .	11,275 0 0		
Since added . . .	2,900 0 0	14,175 0 0	
(5) Public Works Dept. Deposits . . .		13,595 4 1	
(6) Other Deposits		94,599 8 1	
(7) Geeta Fund		1,864 11 9	
(8) Jodhpur Chair Fund—			
As per last B./S. .	13,136 10 1		
Since added . . .	5,207 6 6	18,344 0 7	
(b) Jodhpur Reserve Fund for repairs to new Residences as per last B./S. .	8,494 8 0		
Since added . . .	3,905 1 9	12,399 9 9	
(9) Temple Fund		10,227 4 0	
(10) Sah Brindaban Dass Fund . . .		2,697 15 7	1,67,903 5 10
V. Overdraft from Imperial Bank of India, Benares.			9,78,373 6 2
VI. Cheque drawn on Imperial Bank of India, but not yet cashed			63,298 14 11

Particulars	Rs. A. P.	Rs. A. P.	Rs. A. P.
(n) 210 Shares of Bombay Electric Supplying and Tramway Co., Ltd., Bombay, as per last B./S. . . .	10,000 0 0		
Value since increased . .	500 0 0	10,500 0 0	
(o) Shares of Bangalore Chikkaballapur Light Railway Co., Ltd., as per last B./S. .		350 0 0	
(p) Shares of Birla Jute Mg. Co., Ltd., as per last B./S.		20,500 0 0	
(q) Shares of Keshoram Cotton Mills Co., Ltd. as per last B./S.		29,500 0 0	
(r) Shares of Nainital Bank, Ltd. . . .		1,000 0 0	
(s) Shares of Reserve Bank of India . .		500 0 0	54,19,350 0 0
(t) Special Fund Investment for C.H. School Board as *per contra* as per last B./S. . . .	84,652 3 1		
Since added . . .	3,195 5 4	87,847 8 5	87,847 8 5
II.			
(a) Capitalised value of perpetual annuities as per last B./S.		1,10,22,919 0 0	
(b) Value of Immovable property as per last B./S.		6,77,235 0 0	1,17,00,154 0 0
III. Capital Works—			
(1) Land as per last B./S.		5,92,152 9 9	
(2) C. H. C. Buildings as per last B./S. .		4,35,658 0 11	
(3) University Buildings as per last B./S. . .	61,19,187 14 5		
Since added . . .	90,806 2 2	62,09,994 0 7	72,37,804 11 3
IV. Equipment—			
(a) Physical Laboratory as per last B./S. . .	1,78,954 3 9		
Since added . . .	9,185 13 3	1,88,140 1 0	
(b) Chemical Laboratory as per last B./S. . .	2,90,766 3 4		
Since added . . .	40,182 13 3	3,30,949 0 7	
(c) Biological Laboratory as per last B./S. . .	2,55,713 6 11		
Since added . . .	10,505 12 1	2,66,219 3 0	
(d) Astronomical Laboratory as per last B./S.		12,253 9 0	
(e) Library and Museum as per last B./S. . .	4,39,542 4 6		
Since added . . .	34,912 5 9	4,74,454 10 3	

* NOTE.—Out of these, securities of the face value of Rs. 35,35,700 are held by the Imperial Bank of India, Benares as Security against overdraft.

Balance Sheet of the Benares Hindu University as at 31st March 1936—contd.

Capital and Liabilities.	Details.	Total.	Properties and Assets.		Details.	Total.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.	Rs. A. P.
			(*f*) Engineering College as per last B./S. . . .	20,85,369 8 3		
			Since added . . .	31,556 5 6		
					21,16,925 13 9	
			(*g*) Teachers Training College as per last B./S. .	8,762 6 4		
			Since added . . .	3,284 6 3		
					12,046 12 7	
			(*h*) Colleges of Oriental Learning and Theology, as per last B./S.		7,933 13 7	
			(*i*) Law College as per last B./S. . . .	806 5 6		
			Since added . . .	141 8 0		
					947 13 6	
			(*j*) Sporting and Gymnasium as per last B./S.		2,804 10 0	
			(*k*) Furniture other than for above, as per last B./S.	1,88,844 5 11		
			Since added . . .	5,440 10 3		
					1,94,285 0 2	
			(*l*) University Photos and Drawings, as per last B./S.		3,684 6 0	
			(*m*) Medical Department as per last B./S .		8,978 11 10	
			(*n*) Ayurvedic Department as per last B./S. . .	24,678 8 11		
			Since added . . .	2,358 4 6		
					1,27,036 13 5	
			(*o*) Hospital as per last B./S.	64,729 10 7		
			Since added . . .	1,231 2 6		
					65,960 13 1	
			(*p*) Central Hindu School Board as per last B./S.	45,966 10 11		
			Since added . . .	684 10 6		
					46,651 5 5	
			(*q*) Live Stock and Carriages as per last B./S. .	17,335 15 6		
			Since added . . .	22 0 0		
					17,357 15 6	
			(*r*) Agricultural Farm, Dairy and Estates as per last B /S. . . .	9,809 13 8		
			Since added . . .	87 3 6		
					9,897 1 2	
			(*s*) Music Department as per last B./S. .		326 12 9	
			(*t*) University Training Corps as per last B./S.		1,076 15 9	

Total .		2,94,67,672 6 7

	Rs. a. p.	Rs. a. p.	Rs. a. p.
(u) Women's College Hostel as per last B./S. .	7,193 15 6		
Since added . . .	421 1 6		
		7,615 1 0	
(v) Ancient Indian History and Culture Department as per last B./S. . . .		531 9 6	
(w) History and Philosophy Deptt. as per last B./S.		382 2 9	
(x) Book Depot as per last B./S. . . .	6,379 2 3		
Since sold	44 8 0		
		6,334 10 3	
(y) River Boat as per last B./S. . . .	673 5 6		
Since added . . .	159 13 0		
		833 2 6	
(z) Collection Committee as per last B./S. .		673 15 0	
(za) Religious Text Books as per last B./S. .		590 14 6	
(zb) Botanical Garden as per last B./S. .		534 14 0	
(zc) Lachhman Das Guest house as per last B./S.		1,040 2 3	38,06,467 14 1
V. Advance and Suspense		....	76,192 13 4
VI. Amount of Defalcation pending adjustment in—			
(a) Engineering College		80,549 6 4	
(b) Central Hindu College amount recoverable on account of defalcation discovered in C. H. College		2,866 9 6	
(c) Do. Do. discovered in Law College		2,010 0 0	85,425 15 10
VII. Amount of Birla Hindi Publication Fund adjustable—			
Last years Balance		679 11 9	
Additions		12,667 8 0	
		13,347 3 9	
Less sales		183 10 0	13,163 9 9
VIII. Cash in hand and with Bankers (Central Office) in current Account with—			
(a) Imperial Bank of India		3,52,669 4 5	
(b) Allahabad Bank, Ltd., Allahabad . .		196 1 6	
(c) Benares Bank, Ltd., Benares . .		4,161 4 0	
(d) Cash at Office including cheque for Rs. 56-3-0 . . .		2,485 0 3	
(e) Building Department— Cash in hand	27 8 0		
and with Bankers .	17,035 14 10	17,063 6 10	3,76,575 1 0
IX. Excess of Disbursements over receipts adjustable as per last B./S.		5,38,924 8 0	
For the year 1935-36		1,25,766 4 11	6,64,690 12 11
Total .			2,94,67,672 6 7

II-B 2

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

Auditors Certificate.

We have audited the above Balance Sheet as at 31st March, 1936, along with relative Receipts and Expenditure and other statements of the Benares Hindu University with such books and accounts as were placed before us by Central Office and other Departments.

The said accounts have been prepared on cash basis irrespective of outstandings. In the Balance Sheet, the Government Securities and Shares in the Joint Stock Companies have been shown at face-value and other assets either at capitalised or book value. Neither depreciation on any of the assets of the University has been provided for, nor breakages, losses, etc., have been taken into account.

The accounts have been signed by us in light of such information and explanations as have been given to us and are subject to the foregoing remarks and the audit report which is being submitted separately.

BASANT RAM & SONS,

Registered Accountants,

Auditors.

The 17th June 1937.

Abstract of Receipts and Payments of the Benares Hindu University for the year ending 31st March 1936.

(Annexure to Balance Sheet as at 31st March 1936.)

Receipts.	Budget Estimate, 1935-36. Rs. A. P.	Actuals. Rs. A. P.	Disbursements.	Budget Estimate, 1935-36. Rs. A. P.	Actuals. Rs. A. P.
			CAPITAL ACCOUNT.		
I. Sale of Securities	....	....	I. Investment—		
Landed Property	....	15,200 0 0	(a) Securities	10,000 0 0	56,750 0 0
II. Donations for endowment for scholarships and prizes	10,000 0 0	18,153 13 0	(b) School Board Securities	....	3,195 5 4
III. Donations for special purposes	90,000 0 0	73,235 3 6	II. Buildings, Roads and Canal	2,60,100 0 0	90,806 2 2
IV. Donations for endowment of Chairs	....	....	III. Equipment—		
V. Donations for General purposes	2,33,735 0 0	1,56,960 1 6	(a) Machinery, Tools and Plant	1,24,868 0 0	95,072 9 10
VI. Non-recurring Grant from Government of India	....	....	(b) Furniture	8,440 0 0	11,545 1 3
VII. Security Deposit	....	2,900 0 0	(c) Books	25,000 0 0	34,912 5 9
VIII. Library Fund	....	....	(d) Live Stock	....	22 0 0
IX. Miscellaneous sales	....	1,422 11 0	IV. Discount on purchase of securities	....	....
X. Funds reserved for special objects	2,04,300 0 0	....	V. (a) Advances from Capital to Revenue	....	....
XI. Advances from Revenue to Capital	1,642 0 0	....	(b) Advances from Capital to Debts Deposits and Advances	1,11,269 0 0	....
	....				
Total Capital Account	5,39,677 0 0	2,67,871 13 0	Total Capital Account	5,39,677 0 0	2,92,303 8 4
			REVENUE ACCOUNT.		
1. Interest	1,28,260 0 0	1,28,206 15 0	1. Interest	25,255 0 0	23,581 6 6
2. Income from Landed and House property	44,811 0 0	41,285 14 5	2. Management of Landed and House property	13,017 0 0	7,599 6 0
3. Grants	4,28,750 0 0	3,25,250 0 0	3. General Administration	67,842 0 0	62,237 13 8
4. Subscriptions	250 0 0	300 0 0	4. University Examination	69,350 0 0	70,370 5 0
5. University Examinations	1,22,295 0 0	1,12,034 6 9	5. Repairs and Maintenance of Buildings	35,268 0 0	30,674 0 3
6. College fees and Receipts	4,89,993 0 0	4,60,588 4 3	6. Colleges	8,62,546 0 0	8,69,540 11 6
7. University Hostels	45,012 0 0	41,664 4 0	7. University Hostels	60,366 0 0	35,531 9 2
8. School Board fees and receipts	73,918 0 0	69,465 6 0	8. Medical Department	13,871 0 0	15,924 7 6
9. School Board Hostels	23,776 0 0	16,620 12 0	9. School Board	1,15,689 0 0	1,13,291 13 4
10. Botanical Garden Dairy and Agriculture Farm	14,125 0 0	7,338 3 9	10. School Board Hostels	24,665 0 0	15,426 14 9
11. Miscellaneous	33,627 0 0	19,050 7 3	11. Town Committee	19,461 0 0	31,702 14 9
			12. Botanical Garden Dairy and Agriculture Farm	14,560 0 0	12,785 3 0
Total Revenue Receipt		12,21,804 9 5	13. Scholarships and Prizes from General Fund	13,615 0 0	11,815 3 3
			14. Miscellaneous	67,670 0 0	47,089 1 8
Excess of disbursements over receipts carried to Balance Sheet		1,25,766 4 11	15. Advance from Revenue to Capital	1,642 0 0	....
Total	14,04,817 0 0	13,47,570 14 4	Total	14,04,817 0 0	13,47,570 14 4

Abstract of Special Fund, Receipts and Payments of the Benares Hindu University for the year 1935-36.

Receipts.	Budget Estimate, 1935-36. Rs. A. P.	Actuals. Rs. A. P.
A. Special Funds	85,631 0 0	76,614 12 9
B. Special Fund for School Board	....	3,195 5 4
C. Provident Fund	95,000 0 0	1,14,502 9 0
D. Debts, Deposits and Advances	35,367 0 0	1,59,038 4 0
E. Uncashed cheques	....	62,493 8 7
F. Advances from Capital to Debts, Deposits and Advances	1,11,269 0 0	....
G. Outstanding dues from Indian States	1,77,700 0 0	....
H. Amount of defalcation pending adjustment recovered	....	31,375 10 4
Total Debt Heads	5,04,967 0 0	4,47,220 2 0
Total Capital Receipts	5,39,677 0 0	2,67,871 13 0
Total Revenue receipt	14,04,817 0 0	12,21,804 9 5
Total Debt Heads	5,04,967 0 0	4,47,220 2 0
Total Receipts	24,49,461 0 0	19,36,896 8 5
Opening Balance	....	3,44,562 7 7
Total	....	22,81,459 0 0

DEBTS, DEPOSITS AND ADVANCES.

Expenditure.	Budget Estimate, 1935-36. Rs. A. P.	Actuals. Rs. A. P.
A. Special Fund	79,163 0 0	68,717 15 5
B. Provident Fund	95,000 0 0	44,645 7 9
C. Debts, Deposits and Advances	35,458 0 0	1,25,646 3 3
D. Uncashed cheques of last year	....	23,664 6 9
E. Outstanding Bills	1,17,646 0 0	....
F. Repayment of Overdrawal from Bank	1,77,700 0 0	325 7 2
G. Amount of defalcation pending adjustment—		
a. Law College : L. Caution Money	....	2,010 0 0
Total Debt Heads	5,04,967 0 0	2,65,009 8 4
Total Capital Expenditure	5,39,677 0 0	2,92,303 8 4
Total Revenue Expenditure	14,04,817 0 0	13,47,570 14 4
Total Debt Heads	5,04,967 0 0	2,65,009 8 4
Total Expenditure	24,49,461 0 0	19,04,883 15 0
Closing Balance	....	3,76,575 1 0
Total	....	22,81,459 0 0

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chanceller.

Details of Receipts and Payments of the Benares Hindu University for the year 1935-36.

(Annexure to Balance Sheet as at 31st March, 1936.)

RECEIPTS.

Minor Heads.	Actuals for 1935-36. Details. Rs. A. P.	Actuals for 1935-36. Total. Rs. A. P.
I. Sale of Investments—		
(a) Sale of Securities	15,200 0 0	15,200 0 0
II. Donations for endowments for Scholarships and Prizes	18,153 13 0	
III. Donations for special purposes . . .	73,235 3 6	
IV. Donations for endowment of chair . .	....	
V. Donations General	1,56,960 1 6	2,48,349 2 0
VI. Security Deposit	2,900 0 0	2,900 0 0
VII. Sir Sayaji Rao Gaekwad Library Fund . .	....	
VIII. Miscellaneous Sales—		
1. Sale of Live stock and carriages . .	....	
2. Sale of Books from Book-Depot . .	44 8 0	
3. Sale of Drawing Instruments . . .	954 5 6	
4. Sale of Fans	426 13 6	1,422 11 0

EXPENDITURE.

Minor Heads.	Actuals for 1935-36. Details. Rs. A. P.	Actuals for 1935-36. Total. Rs. A. P.
CAPITAL ACCOUNT.		
I. Investments—		
(a) Securities	55,500 0 0	
(b) Shares of Joint Stock Co. . . .	1,250 0 0	
(c) School Board Securities	3,195 5 4	59,945 5 4
II. Buildings, Roads, & Canal—		
(a) Arts and Science College . . .	1,570 9 9	
(b) Hostel Building	1,842 6 0	
(c) Press Building	10,282 2 6	
(d) Gymnasium Shed	92 8 0	
(e) Rampur Hall	....	
(f) Engineering College	542 10 9	
(g) C. H. Girls School Buildings . . .	4,507 9 3	
(h) Residences (new)	28,287 14 9	
(i) Library	1,603 2 9	
(j) Teachers' Training College . . .	175 12 0	
(k) Agriculture College	693 13 9	
(l) Residences	6,680 8 6	
(m) University Main Gate	....	
(n) Kulwa kitchen	....	
(o) L. D. Guest House	1,033 15 9	
(p) Stock Suspense	7,957 13 8	
(q) Sanitation Cow-Shed & Latrines . .	....	
(r) Temple	3,262 10 0	
(s) Mining Shed	....	
(t) Water Pipe connection to new residences .	....	
(u) Tube Well	3,859 10 6	
(v) Hospital Building	162 6 0	
(w) Engineering College Hydrolic Laboratory.	....	
(x) Do. Smithy Shop	....	
(y) Industrial Chemistry Shed . . .	9,686 14 9	
(z) Primary School Building . . .	5,782 15 9	
(za) Rameshwar Chowbe Cottage . . .	2,965 9 9	90,806 2 2
III. Equipment—		
A. Machinery, Tools, Plant and Apparatus—		
i. Physical Laboratory	9,185 13 3	
ii. Chemical Laboratory	25,302 8 3	

Details of Receipts and Payments of the Benares Hindu University for the year 1935-36—contd.

RECEIPTS. EXPENDITURE.

Minor Heads.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.	Minor Heads.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.
	Rs. A. P.	Rs. A. P.	III. Equipment—*contd.*	Rs. A. P.	Rs. A. P.
			A. Machinery, Tools, Plant and Apparatus—*contd.*		
			iii. Botanical Laboratory	5,474 13 0	
			iv. Institute of Agriculture Laboratory	2,688 0 7	
			v. Zoological Laboratory	1,403 14 0	
			vi. Industrial Chemistry—		
			(*a*) Ceramics	3,576 11 9	
			(*b*) Soap Section	267 0 0	
			vii. Pharmaceutical Chemistry	6,296 0 0	
			viii. Geology Department	1,967 5 6	
			ix. Glass Department	3,236 5 3	
			x. Engineering College—		
			(*a*) Electric Stores	5,024 11 3	
			(*b*) Electric Apparatus	273 10 6	
			(*c*) Electric Fan	5,439 13 0	
			(*d*) Stores	....	
			(*e*) Electric Wiring to Hostels	....	
			(*f*) Lecture Theatre and Improvement of Class Rooms	....	
			(*g*) Electric wiring to new Residences	1,763 4 3	
			(*h*) Machinery, Tools and Plant	3,998 12 6	
			(*i*) Surveying and Drawing Instruments	1,729 2 0	
			(*j*) Laboratory Apparatus	3,768 13 3	
			(*k*) Water Works	142 3 9	
			(*l*) Mining and Metallurgy Apparatus & Fittings	6,379 10 9	
			(*m*) Meters	2,116 4 9	
			xi. Magazine & Book Depot	184 8 0	
			xii. Ayurvedic College	1,783 4 6	
			xiii. Hospital	1,231 2 6	
			xiv. Central Hindu Girl's School Hostels	38 7 6	
			xv. Teachers' Training College	1,615 13 3	
			xvi. Dairy Farm	87 3 6	
			xvii. Women College	....	
			xviii. Sanitation	97 5 0	
					95,072 9 10
			B. Furniture.—		
			i. Vice-Chancellor's Office	58 0 0	
			ii. University Office	1,047 3 3	
			iii. Hostels	245 4 0	
			iv. Estate Department	42 0 0	
			v. Central Hindu College	358 4 0	
			vi. Agricultural Institute	114 12 0	
			vii. Library	2,870 14 0	

Receipts			Expenditure		
			viii. Ayurvedic College	575 0 0	
			ix. Ceramics	1,339 4 0	
			x. Collection Committee	....	
			xi. Examinations	202 0 0	
			xii. Training College	1,668 9 0	
			xiii. Physical Culture	37 0 0	
			xiv. Pharmaceutical Chemistry	165 0 0	
			xv. Geology	330 13 0	
			xvi. Botany	824 4 6	
			xvii. School Board—		
			a. C. H. School	156 0 0	
			b. C. H. Girls School	117 12 0	
			c. R. S. Pathshala	90 15 0	
			d. C. H. School Hostel	281 8 0	
			e. C. H. Girls' School Hostel	....	
			xviii. Women College & Hostel	421 1 6	
			xix. Medical Department	....	
			xx. Industrial Chemistry—		
			a. Soap section	....	
			b. Ceramics	....	
			xxi. University Photos	....	
			xxii. River Boat	159 13 0	
			xxiii. Guest House	141 8 0	
			xxiv. University gate	298 4 0	
					11,545 1 3
			C. Books—		
			i. Office	....	
			ii. Library	34,912 5 9	
			iii. Engineering College	....	
			iv. Book Depot	....	
			v. School Board—		
			a. C. H. School	....	
			b. R. S. Pathshala	....	
			c. C. H. Girls' School	....	
					34,912 5 9
			D. Live Stock and Carriages—		
			i. Office	....	
			ii. Dairy Department	22 0 0	
			iii. Sanitation	....	
			iv. C. H. Girls' School	....	
			v. Plant Physiology	....	
					22 0 0
Total Capital Receipts	....	2,67,871 13 0	Total Capital Expenditure	....	2,92,303 8 4

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

Details of Receipts and Payments of the Benares Hindu University for the year 1935-36.

(Annexure to Balance Sheet as at 31st March 1936.)

Receipts.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.
	Rs. A. P.	Rs. A. P.
REVENUE.		
I. Interest—		
1. Interest on G. P. Notes and on other Securities	....	1,28,206 15 0
II. Income from Landed Property—		
1. Property under University management outside Benares	3,754 13 8	
2. Property endowed for fixed sum	9,340 0 0	
3. University Grounds	27,588 12 9	
4. Rent of shops and houses	602 4 0	
		41,285 14 5
III. Grants—		
1. Perpetual Grant from Government of India	2,70,000 0 0	
2. Perpetual grant from Durbars	55,250 0 0	
3. Other Contributions	....	
		3,25,250 0 0
IV. Subscriptions	....	300 0 0
V. University Examination—		
1. Admission Examination fee	27,590 4 0	
2. Intermediate Examination fee	17,088 0 0	
3. B. A. & B. Sc. Examination fee	21,763 8 0	
4. M. A. & M. Sc. Examination fee	5,835 0 0	
5. B. T. Examination fee	2,786 0 0	
6. Law Examination fee	7,163 8 0	
7. Examination in Diploma	....	
8. Engineering Diploma	12,130 0 0	
9. Mining & Metallurgy Examination fee	1,820 0 0	
10. Ayurved Examination fee	2,558 0 0	
11. Industrial Chemistry Examination Fee Diploma Examination in Soap & Pottery	475 0 0	
12. Sanskrit Examination—		
a. Previous Examination	370 0 0	
b. Sanskrit Examination fee	1,206 0 0	
13. Miscellaneous	7,634 2 9	
14. Enrolment fee	2,361 0 0	
15. D. Sc. Examination Fees	300 0 0	
16. Gown Fees	910 0 0	
17. Paurohitya Examination Fees	44 0 0	
		1,12,034 6 9
VI. College fees and receipts—		
A. Central Hindu College—		
1. Admission fees	4,463 0 0	
2. Fees and fines	1,75,355 9 0	

Expenditure.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.
	Rs. A. P.	Rs. A. P.
REVENUE.		
I. Interest—		
1. Interest on overdraft	23,284 0 0	
2. Interest on Security Deposit	297 6 6	
		23,581 6 6
II. Management of University property—		
1. Establishment	2,217 2 0	
2. Rent and Taxes	3,214 3 0	
3. Revenue and Cesses	1,043 4 5	
4. Law Charges	397 1 6	
5. Other expenses	564 9 9	
6. Re. Survey of University Mahal	....	
7. Repairs to Babu Mahadeo Prasad Property	163 1 4	
8. Repairs to Assam House	....	
		7,599 6 0
III. General Administration—		
Offices—		
A. Vice-Chancellor's Office—		
1. Establishment	1,842 15 0	
2. Motor Accessories	2,651 5 6	
3. Other Expenses	356 1 0	
	4,850 5 6	
B. University Office—		
1. Establishment	32,256 10 11	
2. Audit Charges	....	
3. Stationery & Printing	4,244 11 0	
4. Postage & Telegrams	1,185 9 9	
5. Repairs	121 6 0	
6. Servants' Uniform	162 2 6	
7. Miscellaneous	1,968 4 0	
	39,938 12 2	
C. Treasurer's Office—		
1. Establishment	1,361 15 0	
D. Collection Committee—		
1. Establishment	2,180 0 0	
2. Travelling Expenses	567 2 6	
3. Stationery & Printing	644 10 6	
4. Miscellaneous	240 0 0	
	3,631 13 0	

	Rs. a. p.	Rs. a. p.
3. Common Room fee	2,077 12 0	
4. Game fee	8,703 2 6	
5. Periodical Examination Fee	4,047 12 0	
6. Other receipts	5,103 11 0	
7. Industrial Chemistry—		
a. Ceramic Section	3,187 2 3	
b. Soap Section	3,312 8 0	
8. Institute of Agriculture Research	1,097 15 0	
9. Pharmaceutical Dept.	25 4 0	
	2,07,376 11 9	
B. Library—		
1. Subscription	8,591 13 0	
2. Miscellaneous	168 3 0	
	8,760 0 0	
C. College of Ayurveda—		
1. Tuition fee	5,032 0 0	
2. Sale of Medicines	15,396 13 3	
3. Income from Bombay House	3,817 8 3	
4. Miscellaneous	263 6 0	
5. Government Grant	47,000 0 0	
6. Interest on G. P. Notes	3,495 8 0	
7. Games	445 12 0	
8. Garden Miscellaneous Receipts	550 12 3	
9. Sale of Prospectus	18 2 0	
10. Interest on Vassanji Khemji Chair	2,776 9 0	
11. Admission Fees	151 0 0	
	78,947 6 9	
D. Engineering College—		
1. Admission Fees	1,238 8 0	
2. Tuition fees and fines	55,968 7 0	
3. Common Room fees	920 0 0	
4. Game fees	2,004 3 0	
5. Periodical Examination fees	247 0 0	
6. Sale of manufacture	2,447 8 10	
7. Other Receipts	1,569 0 4	
8. Electric Light	42,205 0 6	
9. Sale of Prospectus	366 3 3	
	1,07,965 14 11	
E. Mining & Metallurgy Dept.—		
1. Admission fee	....	
2. Tuition fees and fines	7,365 4 0	
3. Common Room fees	152 0 0	
4. Game fee	1,083 8 0	
5. Other Receipts	543 8 0	
	9,144 4 0	
F. Law College—		
1. Admission fee	383 0 0	
2. Fees and fines	25,340 10 0	
3. Game fees	892 0 0	

	Rs. a. p.	Rs. a. p.
E. Library—		
1. Establishment	10,455 10 6	
2. Book Binding	1,269 0 0	
3. Other expenses	730 5 6	
	12,455 0 0	
		62,237 13 8
IV. University Examination—		
1. Fee for setting papers and marking answer books	39,458 10 4	
2. Confidential Printing	9,784 7 6	
3. Printing of Rolls and Diplomas, etc.	3,550 3 0	
4. Cost of Answer books	3,185 6 6	
5. Convocation Expenses	1,300 15 6	
6. Travelling expenses	5,679 1 9	
7. Miscellaneous	1,952 7 5	
8. Examination Expenses	1,539 5 3	
9. Postage & Telegrams	1,305 10 6	
10. Academical Hoods & Gowns	920 10 6	
11. Stationery & Printing	1,299 7 0	
12. Printing of Prospectus	393 15 9	
		70,370 5 0
V. Repairs and Maintenance of Buildings—		
1. Establishment	7,193 10 0	
2 Tools & Plant	669 9 6	
3. Buildings	16,298 14 9	
4. Roads	6,337 12 0	
5. Miscellaneous	174 2 0	
		30,674 0 3
VI. Colleges—		
A. Arts & Science Colleges—		
1. Establishment	3,43,569 15 10	
2. Laboratory	26,538 7 2	
3. Gas Works	4,870 7 3	
4. Stationery & Printing	1,656 8 0	
5. Geology Expenses	1,609 10 9	
6. Pharmaceutical Chemistry	2,916 11 0	
7. Institute Agriculture	5,914 6 9	
8. Industrial Chemistry—		
(a) Soap	7,686 3 10	
(b) Soap contingency	3,151 4 6	
(c) Ceramics	7,709 3 3	
(d) Glass	2,232 0 0	
9. Games	7,687 0 9	
10. Common Room	767 10 6	
11. Repairs of Furniture	107 12 0	
12. Periodical Examination	2,028 8 3	
13. Religious Instruction	3,762 0 0	
14. Postage & Telegrams	701 13 0	
15. Other Expenses	1,867 7 6	
	4,24,777 2 4	

Details of Receipts and Payments of the Benares Hindu University for the year 1935-36—contd.

Receipts.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.
	Rs. A. P.	Rs. A. P.
4. Common Room fees	212 8 0	
5. Periodical Examination fees	5 0 0	
6. Miscellaneous	243 13 0	
	27,076 15 0	
G. Teacher's Training College—		
1. Fees and fines	6,354 12 0	
2. Miscellaneous	16 2 3	
3. Lorry Hire	711 0 0	
4. Library fees	219 0 0	
	7,300 14 3	
H. Women College—		
1. Interest on securities	10,088 15 10	
2. Admission fees	204 0 0	
3. Tuition fees	3,092 0 0	
4. Game fees	440 7 6	
5. Miscellaneous	14 10 3	
6. Periodical Examination fees	176 0 0	
	14,016 1 7	4,60,588 4 3
VII. University Hostels—		
1. Arts and Science Colleges	19,498 12 0	
2. Engineering College	13,516 4 0	
3. Teachers Training College	1,745 4 0	
4. Mining & Metallurgy	1,851 8 0	
5. Law College	2,488 8 0	
6. Women's College	1,646 0 0	
7. Ayurvedic College	918 0 0	41,664 4 0
VIII. School Board fees and Receipts—		
A. C. H. School—		
1. Admission fees	463 8 0	
2. Fees and fines	19,681 8 0	
3. Miscellaneous	216 8 0	
4. Grant from Government	26,028 0 0	
B. R. S. Pathshala—		
1. Kashmir grant	3,801 0 0	
	3,801 0 0	
C. Central Hindu Girls' School—		
(1) Tuition fees	3,322 6 0	
(2) Government Grant	9,528 0 0	

Expenditure.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.
	Rs. A. P.	Rs. A. P.
B. College of Oriental Learning—		
1. Establishment	35,034 5 3	
2. Stationery & Printing	17 2 0	
3. Other Expenses	51 12 9	
	35,103 4 0	
C. College of Theology—		
1. Establishment	3,254 8 3	
2. Miscellaneous	12 15 3	
	3,267 7 6	
D. (a) College of Ayurveda—		
1. Establishment	21,142 0 0	
2. Miscellaneous	449 7 0	
3. Games	445 3 3	
4. Labo. Expenses	476 13 0	
5. Anatomy Expenses	470 9 9	
	22,984 1 0	
(b) Ayurvedic Aushdhalaya—		
1. Establishment	6,908 5 5	
2. Prayogshala	5,101 11 9	
3. Garden	2,529 10 9	
4. Dispensary	1,970 1 0	
5. Repairs to Bombay House	1,145 9 6	
6. Other Expenses	1,518 8 9	
7. City Dispensary	678 12 6	
	19,852 11 8	
(c) Hospital—		
1. Establishment	9,168 7 0	
2. Medicines	2,637 10 6	
3. Expenses of Beds	3,004 9 0	
4. Other expenses	1,166 4 0	
5. Stationery & Printing	249 15 9	
6. Dressing Materials	1,966 14 3	
7. Patients clothing	1,042 8 6	
	19,236 5 0	

	Rs. a. p.	Rs. a. p.
(3) Lorry fees	6,364 8 0	
(4) Subscriptions	60 0 0	
	19,274 14 0	69,465 6 0
IX. School Board Hostels —		
1. C. H. School	9,463 11 0	
2. Girls' School	2,863 0 0	
3. R. S. Pathshala—		
(i) Kashmir Grant	1,680 0 0	
(ii) Porebunder Grant	2,614 1 0	
		16,620 12 0
X. (a) Dairy Farm receipt	4,230 10 3	
(b) Agricultural Farm	3,107 9 6	
(c) Botanical Garden receipt	....	
		7,338 3 9
XI. Miscellaneous—		
A. University Magazine—		
1. Subscriptions and Advertisements . .	4,897 10 0	
2. Sale of Prospectus & Calenders . .	1,390 12 6	
3. Miscellaneous Receipts	154 7 0	
B. Other Receipts	91 10 0	
C. Medical fees and Medicine fees . . .	7,302 1 0	
D. Town Committee	2,090 5 6	
E. Music	134 0 0	
F. Sale of Panchang	2,989 9 3	
		19,050 7 3

	Rs. a. p.
E. I.—Engineering College—	
1. Establishment	1,22,060 5 3
2. Stationery & Printing	1,090 12 3
3. Laboratory Expenses	1,160 11 1
4. Postage and Telegrams	704 3 9
5. Drawing Materials	34 10 0
6. Games	3,987 2 9
7. Periodical Examination	279 6 0
8. Common Room	939 12 0
9. Other expenses	610 10 3
10. Motor accessories & Petrol	492 7 3
11. Servants' Uniform	349 13 0
12. Embezzlement Case expenditure . .	3,803 2 0
	1,35,513 0 4
E. II. Workshop—	
1. Establishment	22,938 6 6
2. Wages of Workmen	26,023 8 9
3. Stipends to Artizans	5,414 13 3
4. Coal	28,600 15 6
5. Wood	1,978 2 0
6. Other Stores	3,886 13 4
7. Cast Iron	999 7 0
	89,842 2 4
E. III. Electric Works—	
1. Establishment	2,826 5 3
2. Wages	5,570 9 6
3. Other Stores	9,710 9 3
	18,107 8 0
E. IV. Mining and Metallurgy—	
(1) Establishment	31,680 7 9
(2) Laboratory expenses	5,647 7 0
(3) Stationery and Printing	553 3 3
(4) Other expenses	817 5 0
(5) Games	1,762 2 0
	40,460 9 0
F. Teachers' Training College—	
(1) Establishment	26,506 9 4
(2) Stationery and Printing	182 2 0
(3) Lorry Hire	460 13 0
(4) Postage and Telegrams	91 2 6
(5) Laboratory expenses	334 6 9
(6) Other expenses	797 6 0
	28,373 1 7

Details of Receipts and Payments of the Benares Hindu University for the year 1935-36—contd.

Receipts.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.	Expenditure.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
			G. Law College—		
			(1) Establishment	10,781 1 0	
			(2) Stationery and Printing	41 3 3	
			(3) Other expenses	40 14 3	
				10,863 2 6	
			H. Women College—		
			(1) Establishment	20,053 10 3	
			(2) Miscellaneous	256 10 9	
			(3) Domestic Science	64 15 0	
			(4) Games	596 4 3	
			(5) Stationery & Printing	99 4 0	
			(6) Periodical Examination	89 8 0	
				21,160 4 3	8,69,540 11 6
			VII. University Hostels—		
			(1) Establishment	24,026 5 6	
			(2) Other expenses	1,686 8 5	
			(3) Light	1,055 11 0	
			(4) Stationery & Printing	437 11 6	
			(5) Women College Hostel	5,229 9 3	
			(6) Servants' Uniform	821 2 6	
			(7) Repairs of Furniture	928 4 6	
			(8) Non-Residence students, Supervision Committee	1,346 4 6	
					35,531 9 2
			VIII. Medical Department—		
			(1) Establishment	10,654 12 3	
			(2) Other expenses	540 13 3	
			(3) Health examination	530 0 0	
			(4) Medicine	4,198 14 0	
					15,924 7 6
			IX. Schools—		
			A. Central Hindu School—		
			(1) Establishment	73,616 13 3	
			(2) Stationery and Printing	499 10 6	
			(3) Book Binding	35 1 0	
			(4) Repairs of Furniture	144 0 3	
			(5) Postage and Telegrams	57 3 0	
			(6) Boy scouts	89 14 0	
			(7) Books and Periodicals	299 9 9	
			(8) Nature Study	100 0 0	

(9) Other expenses	267 14 3	
(10) Ceremonials	97 12 9	
(11) Servants' Uniform	150 0 0	
(12) Maps and Globes	147 5 0	
	75,505 3 9	
B. R. S. Pathshala—		
1. Establishment	7,622 11 7	
2. Other expenses	122 7 0	
	7,745 2 7	
C. Central Hindu Girls' School—		
1. Establishment	19,482 11 9	
2. Rent and Taxes	160 0 0	
3. Repairs of Furniture	49 12 6	
4. Motor Lorry expenses	9,450 10 3	
5. Other expenses	272 11 9	
6. Appliances	97 4 3	
7. Stationery and Printing	123 4 6	
8. Hygiene	25 0 0	
9. Books & Periodicals	207 2 3	
10. Games	82 3 6	
11. Maps & Globes & Nature Study expenses	90 10 3	
	30,041 7 0	
		1,13,291 13 4
X. School Board Hostels—		
a. C. H. School	8,630 12 9	
b. C. H. Girls School	2,543 0 0	
c. R. S. P. Chhatravas—		
(1) Kashmir	2,342 9 9	
(2) Porebunder Annakshetra	1,910 8 3	
		15,426 14 9
XI. Town Committee Department—		
1. Sanitation	12,584 13 6	
2. Arboriculture	....	
3. Watch and Ward	3,700 4 6	
4. Water Works	15,417 12 9	
		1,702 14 9
XII. Dairy & Agriculture farm & Botanical Garden—		
I. Agriculture :—		
Establishment	1,200 0 0	
Wages	3,501 13 9	
Other expenses	557 8 0	
	5,259 5 9	
II. Dairy :—		
1. Establishment 2. Feed of Cattle	4,367 13 9	
3. Miscellaneous	421 12 9	
III. Botanical Garden	2,736 2 9	
		12,785 3 0

Details of Receipts and Payments of the Benares Hindu University for the year 1935-36—concld.

Receipts.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.	Expenditure.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
			XIII. Scholarships and Prizes from General Fund—		
			1. C. H. College	2,700 0 0	
			2. College of Ayurveda & Oriental Learning .	6,526 5 0	
			3. R. S. Pathshala	2,472 0 0	
			4. C. H. Girls' School	40 0 0	
			5. Prizes C. H. College.	76 14 3	
					11,815 3 3
			XIV. Miscellaneous—		
			1. University Magazine & Book-Depot . .	3,961 5 9	
			2. Ceremonials	258 10 9	
			3. Contribution to Prov. Fund . . .	21,331 7 6	
			4. University Training Corps . . .	1,000 0 0	
			5. Lachchamandas Guest House . . .	272 15 0	
			6. Physical Culture	597 7 3	
			7. Advances written off	8,216 13 8	
			8. University Parliament	....	
			9. Contribution to Inter-University Board .	750 0 0	
			10. Panchang Account	2,195 8 3	
			11. Electric Light expenses	....	
			12. Excursion	4,481 12 3	
			13. Music Department	2,145 13 0	
			14. Stable	822 10 9	
			15. Guest House	181 0 0	
			16. Travelling allowance	853 5 0	
			17. Universities Conference	20 4 6	
					47,089 1 8
Total Revenue Receipts		12,21,804 9 5	Total Revenue Payments . . .	....	13,47,570 14 4
Excess of Disbursements over Receipts carried to Balance Sheet		1,25,766 4 11			
Total .		13,47,570 14 4	Total . .	....	13,47,570 14 4

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants & Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

Details of Receipts and Payments of the Benares Hindu University for the year 1935-36.

(Annexure to balance Sheet as at 31st March 1936.)

Receipts.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.
	Rs. A. P.	Rs. A. P.
A. Special Funds—		
1. Scholarships and Prizes—		
a. Interest on Securities	13,924 2 9	
b. Income from Land	3,119 14 8	
c. Grants	11,480 0 0	
d. Contributions	18,824 7 7	
	47,348 9 0	
2. Chairs—		
a. Motichand Chair	4,131 8 0	
b. Manindra Chandra Chair	6,012 4 0	
c. Jain Swetambar Chair	1,817 8 0	
	11,961 4 0	
3. Birla Hindi Publication Fund	183 10 0	
4. Shah Brinda Ban Das Fund	3,265 0 6	
5. C. H. School Board	3,195 5 4	
6. Geeta Fund	1,498 0 0	
7. Temple Fund	3,245 13 0	
8. Jodhpur Agriculture Fund—		
(a) Irvin Chair Fund	5,207 6 6	
(b) Reserve Fund for Repairs of New Residences	3,905 1 9	
		79,810 2 1
B. Provident Fund	1,14,502 9 0	
		1,14,502 9 0
C. Debts, Deposits & Advances—		
(i) Advances	73,582 5 3	
(ii) P. W. D. Deposits	1,925 14 9	
(iii) Other Deposits	52,713 5 0	
(iv) P. W. D. Provident Fund	183 1 7	
(v) Income Tax	22,373 1 4	
(vi) Artizan Deposit	2,287 5 9	
(vii) D. B. Tax	5,973 2 4	
		1,59,038 4 0
D. Cheques Drawn on Imperial Bank of India not yet cashed	62,493 8 7	
		62,493 8 7

Expenditure.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.
	Rs. A. P.	Rs. A. P.
A. Special Funds—		
I. Scholarships from Endowments—		
(a) Arts and Science Colleges	16,195 8 1	
(b) Teachers' Training College	4,400 0 0	
(c) College of O. L. & Theology	2,438 6 4	
(d) Ayurveda College	1,291 11 0	
(e) Engineering College & Mining & Metallurgy	1,795 0 0	
(f) Bikaner State Scholarships	7,640 0 0	
(g) Bajoria Scholarships	1,265 4 0	
(h) Women's College Scholarships	4,791 8 0	
(i) The Chaturvedi Haribhajan Prasad Scholarship Trust Fund, Kalpi	642 0 0	
(j) C. H. School Board—		
(1) C. H. School	999 8 0	
(2) C. H. Girls' School	226 8 0	
II. Prizes and Medals —		
1. Arts & Science Colleges	552 13 0	
2. College of Oriental Learning	47 0 0	
3. C. H. School	79 13 0	
4. C. H. Girls' School	62 0 0	
5. R. S. Pathshala	....	
B. Chairs—		
(a) Motichand Chair	2,664 12 0	
(b) Manindra Chandra Chair	5,624 0 0	
(c) Jain Swetamber Chair	2,070 0 0	
	10,358 12 0	
4. Birla Hindi Publication Fund	12,667 8 0	
5. Shah Brindaban Das Fund	2,779 12 0	
6. Temple Fund	84 0 0	
7. Geeta Fund	401 0 0	
		68,717 15 5
C. Provident Fund	44,645 7 9	
		44,645 7 9

II-D

Details of Receipts and Payments of the Benares Hindu University for the year 1935-36—contd.

Receipts.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.
	Rs. A. P.	Rs. A. P.
E. Overdrawal from Bank	....	
F. Amount of defalcation pending Adjustment recovered—		
(i) Engineering College	22,332 1 7	
(ii) C. H. College	3,486 2 9	
(iii) Law College	5,557 6 0	
		31,375 10 4
Total Receipt Debt Heads	....	4,47,220 2 0

Expenditure.	Actuals for 1935-36. Details.	Actuals for 1935-36. Total.
	Rs. A. P.	Rs. A. P.
D. Debts, Deposits & Advances—		
1. Advances	62,320 12 4	
2. P. W. D. Deposits	953 11 3	
3. Do. Provident Fund	321 1 3	
4. Artizan Deposit	1,485 13 9	
5. Other Deposits	32,346 10 7	
6. Income Tax	22,272 4 0	
7. D. B. Tax	5,945 14 1	
		1,25,646 3 3
E. Uncashed Cheques of last year	....	23,664 6 9
F. Payment to over Draft	....	325 7 2
G. Defalcation discovered in Law College	....	2,010 0 0
Total Expenditure Debt. Heads	....	2,65,009 8 4

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants & Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1936.

(Annexure to Balance sheet as at 31st of March 1936.)

Particulars.		Details.	Total.
		Rs. A. P.	Rs. A. P.
CAPITAL AND LIABILITIES.			
I. Perpetual grants—Capitalised value as per last Balance-sheet—			
(1) For Permanent Reserve Fund—			
Perpetual Annuities granted by the following Indian Chiefs capitalised at 3½ per cent., i.e., at 28·57143 times—	Rs. per year.		
(a) Jodhpur Durbar .	24,000		
(b) Kashmir Durbar .	12,000		
(c) Bikaner Durbar .	7,800		
(d) Jhalawar Durbar .	1,000	12,80,000 0 0	
(2) For Chairs— Perpetual annuity of Rs. 24,000 for 2 special chairs of Electrical and Mechanical Engineering granted by H. H. Farzand-i-Khas Daulat-i-Englishia Mansurulzaman Amir-ul-Umra, Maharaja Dhiraj Rajeshwar Sri Maharaja Rajgan Maharaja Bhupendra Singh Mahinder Bahadur G.C.I.E. of Patiala		6,85,714 4 6	
(3) For Scholarships— Perpetual annuity of Rs. 4,200 a year granted by the Bikaner Durbar for Scholarships		1,20,000 0 0	
(4) For General Purposes—			
(a) Perpetual grant by the Government of India of Rs. 3,00,000 per annum Rs. 85,71,428-9-3.			
(b) Perpetual grant of Rs. 6,000 a year by H. H. Sir Jagatjit Singh Bahadur, G.C.S.I. of Kapurthala Rs. 1,71,428-9-3.			
(c) Perpetual grant of Rs. 6,000 a year by H. H. Maharaja of Cochin Rs. 1,71,428-9-0 . . .		89,14,285 11 6	1,10,00,000 0 0

Particulars.		Details.	Total.
		Rs. A. P.	Rs. A. P.
PROPERTY AND ASSETS.			
I. Investments at face value—			
(1) 3½ per cent. Government Promissory Notes—			
As per last B. S. .	43,41,500 0 0*		
Since added . .	12,100 0 0	43,53,600 0 0	
(2) 3½ per cent. Sterling loan— As per last B. S. .	..	2,19,000 0 0	
(3) 3 per cent. Government Promissory Notes—			
As per last B. S. .	4,500 0 0		
Since added . .	1,000 0 0	5,500 0 0	
(4) 4 per cent. Government Promissory Notes—			
As per last B. S. .	28,000 0 0		
Since added . .	700 0 0	28,700 0 0	
(5) 5 per cent. U. P. Loan— As per last B. S.	. ..	4,45,300 0 0	
(6) 4 per cent. Bombay Municipal Debentures— As per last B. S. .	..	27,500 0 0	
(7) 4 per cent. G. P. Notes— As per last B. S. .	..	1,09,900 0 0	
(8) 5½ per cent. War Bonds— As per last B. S. .	..	63,100 0 0	
(9) 5 per cent. War Bonds—			
As per last B. S. .	51,200 0 0		
Since added . .	41,700 0 0	92,900 0 0	
(10) Shares of Newspapers Co., Ltd., Allahabad— As per last B. S. .	..	1,000 0 0	
(11) Shares of Delhi Cloth and General Mills Co., Ltd., Delhi—			
As per last B. S. .	250 0 0		
Since added . .	250 0 0	500 0 0	

Vide G. I. Order, dated 18th April 1916, received with the Government of India, Education Department, No. 256, dated 3rd March 1916.

* Out of these securities of the face value of Rs. 35,35,700 are held by the Imperial Bank of India, Benares, as security against Overdraft.

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1936—contd.

Particulars.	Details.	Total.
	Rs. A. P.	Rs. A. P.
CAPITAL AND LIABILITIES—*contd.*		
II. (1) Donations for Permanent Reserve Fund, as per last Balance sheet—		
(*a*) Patna property purchased for Rs. 72,000 (Nurpur Sattar and Shahpur). (*b*) Cawnpore property given in gift in lieu of Rs. 5,000 (share in Gedha). (*c*) Benares Property for Rs. 2,500 .	71,235 0 0	
(*d*) Government Promissory Notes and securities	36,25,900 0 0	
(*e*) Pension payment order No. 509, dated 23rd March 1915 of Rs. 66-13-7 monthly . .	22,919 0 0	
	37,20,054 0 0	37,20,054 0 0
(2) Donations for Special Chairs as per last B. S.—		
(*a*) Amount endowed by Honourable Maharaja Sir Manindra Chandra Nandy Bahadur, K.C.I.E., of Kassimbazar for Manindra Chandra Chair of Ancient Indian History and Culture.	1,72,000 0 0	
(*b*) Amount endowed by Honourable Raja Sir Motichand, Kt., C.I.E., of Benares for Motichand Chair of Chemical Technology . .	1,18,200 0 0	
(*c*) Jain Swetamber Conference Chair .	52,000 0 0	
	3,42,200 0 0	3,42,200 0 0
(3) Donations for Endowment for Scholarships and Prizes—		
(*a*) Property endowed by Akhauri Babu Prem Narayan of Gaya .	10,000 0 0	
b) Property endowed by Mahant Satish Ch. Giri of Tarkeshwar .	1,00,000 0 0	
(*c*) Shares of Birla Jute Manufacturing Co., Ltd.	29,500 0 0	
(*d*) Shares of Kesho Ram Cotton Mills Co., Ltd.	20,500 0 0	
(*e*) Property endowed by Pt. Yajnaduti Bholadutt Anupshahr . .	30,000 0 0	

Particulars.		Details.	Total.
PROPERTY AND ASSETS—*contd.*		Rs. A. P.	Rs. A. P.
(12) Shares of Arrah Sasaram L. Ry. Co., Ltd.— As per last B. S. .	..	10,000 0 0	
(13) Shares of Reserve Bank of India . . .	..	500 0 0	
(14) 210/shares of Bombay Electric and Tramway Co. Ltd.—			
As per last B. S. .	10,000 0 0		
Value since increased	500 0 0	10,500 0 0	
(15) Shares of Bangalore Chikbalpore Light Ry. Co., Ltd.— As per last B. S. .	..	350 0 0	
(16) Shares of Nainital Bank, Ltd.— As per last B. S. .	..	1,000 0 0	
(17) Shares of Birla Jute Mfg. Co., Ltd.— As per last B. S. .	..	20,500 0 0	
(18) Shares of Keshoram Cotton Mills Co., Ltd.— As per last B. S. .	..	29,500 0 0	54,19,350 0 0
(19) School Board Special Fund Investments—			
As per last B. S. .	84,652 3 1		
Since added . .	3,195 5 4		87,847 8 5
II. (*a*) Capitalised Value of perpetual annuities as per last B.S.— Pension Payment order		22,919 0 0	
Capitalised Value of perpetual annuities granted (*b*) by Government and the following Durbars :—			
(1) Govt. of India . .	3,00,000 0 0		
(2) Jodhpur Durbar . .	24,000 0 0		
(3) Kashmir " . .	12,000 0 0		
(4) Bikaner " . .	12,000 0 0		
(5) Jhalawar " . .	1,000 0 0		
(6) Kapurthala " . .	6,000 0 0		
(7) Patiala " . .	24,000 0 0		
(8) Cochin " . .	6,000 0 0		
	3,85,000 0 0	1,10,00,000 0 0	1,10,22,919 0 0

(*Vide* Statement No. 29).

(f) Chandpur Property . . .	10,000 0 0	
(g) Puri Property . . .	40,000 0 0	
(h) Batra Property . . .	6,000 0 0	
(i) Shares of Bombay Electric Light Co.	10,500 0 0	
(j) Reserve Bank Shares . . .	500 0 0	
(k) Rameshwar Cottage . . .	2,965 9 9	
(l) G. P. notes endowed by Donors for Scholarships and prizes, as per last B. S. 3,31,550-0-0		
Since redeemed . 7,200-0-0		
Since added . 5,100-0-0	3,29,450 0 0	
Cash for investment . ..	33,110 3 5	}6,22,525 13 2
(4) Donations for buildings and special objects as per last Balance Sheet—		
Rai Bahadur Lala Ramcharan Das, Allahabad, for construction of a hostel	75,000 0 0	
Bhateley Shyam Behari Lal, Etawah, for a building to be constructed in memory of his brother Bhateley Shyam Sundar	25,000 0 0	
Rani Phul Kunwari, widow of Rai Bahadur Chowdhury Ranjit Singh of Moradabad, for rooms to be constructed in memory of her husband .	6,000 0 0	
Soti Krishna Swarup, B.A., LL.B., for a room to be constructed in the name of his mother	300 0 0	
Pandit Prem Ballabh Bhatt, Nainital, for a room to be constructed in memory of his father . . .	500 0 0	
Lala Ram Das, of Meerut, for a room to be constructed in his name in one of the hostels	1,000 0 0	
Lala Kewal Kishen of Azamgarh for a well	200 0 0	
Mr. Sham Lal Rajey, Fyzabad, for construction of a room in a new hostel	500 0 0	
Babu Lakshmi Prasad, Fyzabad, for a room in a new hostel in the name of his father and himself, *viz.*, Debi Prasad and Lakshmi Prasad of Fyzabad	500 0 0	
Akhauri Babu Prem Narain, of Gaya, for construction of a room . .	500 0 0	
Rai Krishna Pal Singh, Taluqdar, Birapur, Dt. Partabgarh, for a room in the University hostel . . .	1,000 0 0	
Rai Ganga Ram Bahadur, C.I.E., M.V.O., Lahore, for water works .	20,000 0 0	
Babu Baldeo Das Hazarimal Dudhwala of Calcutta for hospital . . .	1,00,000 0 0	
Various Donors for Aushadhalaya .	26,000 0 0	

(c) Value of immovable properties as per last B.S.—			
(1) Patna Property			
(2) Cawnpore Property		71,235 0 0	
(3) Benares Property			
(4) Gaya Property		10,000 0 0	
(5) Turkeshwar Property		1,00,000 0 0	
(6) Gouripur Property		1,00,000 0 0	
(7) Amawan Property		50,000 0 0	
(8) Mirzapur Property		40,000 0 0	
(9) Assam House, Simla		1,20,000 0 0	
(10) Bombay House		1,00,000 0 0	
(11) Anupshahar		30,000 0 0	
(12) Puri Property		40,000 0 0	
(13) Chandpur Property		10,000 0 0	
(14) Batra Property		6,000 0 0	6,77,235 0 0
III. Capital Works—			
1. Land (University Nagwa)— As per last B. S. . ..		5,92,152 9 9	
2. Central Hindu College Buildings— As per last B. S. . ..		4,35,658 0 11	
3. University New Buildings—			
As per last B. S. .	61,19,187 14 5		
Since added . .	90,806 2 2	62,09,994 0 7	72,37,804 11 3
IV. Equipment—			
(a) Physical Laboratory—			
1. Science Apparatus—			
As per last B. S. .	1,74,060 7 9		
Since added . .	9,185 13 3	1,83,246 5 0	
2. Electric Fittings as per last B. S. . .		1,206 0 0	
3. Gas and Water Fittings as per last B. S. .		750 0 0	
4. Furniture as per last B. S. . . .		2,937 12 0	
		1,88,140 1 0	
(b) Chemical Laboratory—			
1. Apparatus—			
As per last B. S. .	1,71,424 4 2		
Since added . .	25,302 8 3	1,96,726 12 5	
2. Balances and Weights as per last B. S. .		3,932 14 0	
3. Minerals as per last B. S. . . .		450 0 0	
4. Gas plant and Fittings— As per last B. S.		11,193 11 9	
5. Charts as per last B. S.		38 4 0	
6. Water tank and Fittings as per last B. S. .		1,225 0 0	
7. Furniture as per last B. S. . . .		6,236 8 0	

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1936—contd.

Particulars.	Details.	Total.
	Rs. A. P.	Rs. A. P.
CAPITAL AND LIABILITIES—*contd.*		
Rai Sangi Das Jesi Ram Saheb of Bombay, for Sir Shapurji Broacha Hostel	2,50,000 0 0	
Government, U. P., for books	50,000 0 0	
Seth Bankeylal Moongalal, Bombay, for Commerce	50,000 0 0	
Seth Ramnarayan Harnand Rai Chaudhury, Bombay, for a Hostel	1,01,000 0 0	
Seth Santi Das Asukaran, Bombay, for a Hostel	51,000 0 0	
Seth Surajmal Harnandrai, Bombay, for a Hostel	51,000 0 0	
Seth Mani Lal Jugal Kishore, Bombay, for a Hostel	51,000 0 0	
Babu Jivanlal Pannalal, Bombay, for a Hostel	40,000 0 0	
Seth Mathuradas Vasanjee Khimji, Bombay, for Ayurvedic Department	1,50,000 0 0	
Seth Baldeo Das Jugal Kishore Birla, for cows	11,000 0 0	
H. H. the Maharaja Rana of Dholpur, for Industrial Chemistry	1,00,000 0 0	
Seth Mulji Hari Das of Bombay, for Ayurveda	50,000 0 0	
Seth Mangal Das G. Parek of Ahmedabad, for a hostel	51,000 0 0	
Seth Amarsi Lakshman Das	1,215 0 0	
Anonymous Donation for foreign travel of a member of the Staff	2,000 0 0	
Raja Jwala Prasad Saheb for reward to his Staff	1,000 0 0	
Other special Donation	49,300 9 0	
Seth Ganga Bax Kanodia, Calcutta, for Mahopadeshak Vidyalaya	14,000 0 0	
Srimati R. Keser Bai, *alias* Ramabai, widow of late Koriji Hari Das of Bombay	5,000 0 0	
Babu Jugal Kishore Birla of Calcutta, for Music	3,000 0 0	
Sir Ganga Ram, Rai Bahadur, C.I.E., M.V.O., for Gurudwara	500 0 0	

Particulars.		Details.	Total.
		Rs. A. P.	Rs. A. P.
PROPERTY AND ASSETS—*contd.*			
8. Industrial Chemistry—			
As per last B. S.	87,157 15 5		
Since added	8,419 5 0	95,577 4 5	
9. Pharmaceutical Chemistry—			
As per last B. S.	9,107 10 0		
Since added	6,461 0 0	15,568 10 0	
		3,30,949 0 7	
(*c*) Botanical and Zoological Laboratory—Apparatus—			
As per last B. S.	2,05,260 4 4		
Since added	7,702 15 6	2,12,963 3 10	
Furniture—			
As per last B. S.	..	2,393 9 6	
(*d*) Institute of Agricultural Research—			
As per last B. S.	48,059 9 1		
Since added	2,802 12 7	50,862 5 8	
		2,66,219 3 0	
(*e*) Astronomical Apparatus—			
As per last B. S.	..	12,253 9 0	
(*f*) Library and Museum—			
(1) Books—			
As per last B. S.	4,36,395 4 6		
Since added	34,912 5 9	4,71,307 10 3	
(2) Museum—			
As per last B. S.	..	3,147 0 0	
		4,74,454 10 3	

Mr. G. R. Batheja of Patna, for Historical Books	100	0	0
H. H. Maharaja Gaekwad of Baroda, for entertainment of students	1,000	0	0
B. Gauri Shankar Goenka of Khurja, for cows	1,273	3	0
Seth Rameshwar Das Birla of Bombay	10,000	0	0
Pt. Baldeo Ram Dave in books	20,000	0	0
Babu Baijnath, Hyderabad, in books	3,500	0	0
Widow of late Major Basti Singh of Agra in books	3,200	0	0
The late Sir Ashutosh Chaudhury of Calcutta, in books	30,000	0	0
P. Chaudhury, Esqr., of Calcutta, in books	1,500	0	0
Seth Jamnalal Bachraj Bajaj of Wardha, for books	30,007	1	0
The Hon'ble Babu Ganesh Dutt Singh of Patna, for a shield	150	0	0
Babu Brijmohanji Birla of Calcutta, for Panchang	1,500	0	0
Babu Ramkumar Kajuwala, Calcutta, for Panchang	500	0	0
Babu Sitaram, Calcutta, for Panchang	350	0	0
Babu Ram Kumar Birla, Calcutta, for Panchang	250	0	0
Babu Raj Narayan Bogra, Calcutta, for Panchang	50	0	0
Babu Kesho Das of Benares for a Trophy	250	0	0
Mr. Girja Kishore, Assistant Excise Commissioner, for Medicines	200	0	0
Lala Ratan Chand Munni Lal, Amritsar, for a room in a Hostel	2,000	0	0
Srimati Bhagwandevi for Ayurvedic Medicines	1,000	0	0
Seth Jugal Kishore Birla for Special purpose	1,000	0	0
Babu Mohan Das Boolchand for a Tablet	50	4	0
H. H. Maharaja Saheb of Baroda for Athletics	5,000	0	0
Mr. Krishna Kumar, Dy. Collector, Benares, for a well	1,275	0	0
Babu Bhagirath Kanodia of Birla Bros., Calcutta, for Medicines	2,182	15	3
Babu Bhagirath Kanodia of Birla Bros., Calcutta, for Ayurvedic Aushadhalaya.	8,000	0	0
Messrs. Jesinghbhai Bhogilal, Bombay, for a tank	500	0	0
Seth Bisheshwar Prasad Ghildayal, for Geographical apparatus for T. T. C.	100	0	0
Raja Saheb of Hathwa, for Athletics	100	0	0
Mr. S. Sinha of Patna, for Athletics	50	0	0

(g) Engineering College—		
(1) Machinery, Tools, Plant and Stores—		
As per last B. S.	12,37,645 2 7	
Since added	4,141 0 3	12,41,786 2 10
(2) Furniture—		
As per last B. S.	..	27,287 4 11
(3) Drawing and Surveying Instruments—		
As per last B. S.	44,386 0 2	
Since added	774 12 6	45,160 12 8
(4) Books and Periodicals—		
As per last B. S.	..	32,970 3 5
(5) Workshop Extension—		
As per last B. S.	..	39,655 15 10
(6) Electric Wiring—		
As per last B. S.	1,62,994 5 1	
Since added	3,879 9 0	1,66,873 14 1
(7) Engineering Models—		
As per last B. S.	..	1,286 8 11
(8) Motor accessories—		
As per last B. S.	..	13,560 15 4
(9) Electric Apparatus and Stores—		
As per last B. S.	2,72,513 8 1	
Since added	10,314 5 3	2,82,827 13 4
(10) Laboratory Apparatus—		
As per last B. S.	85,002 8 0	
Since added	3,768 13 3	88,771 5 3
(11) Mining and Metallurgy apparatus—Furniture—		
As per last B. S.	1,54,433 0 6	
Since added	8,677 13 3	1,63,110 13 9
(12) Mining Books—		
As per last B. S.	..	10,607 4 11
(13) Engineering College Lecture Theatre and Improvement of class-rooms—		
As per last B. S.	..	3,026 10 6
		21,16,925 13 9
(ga) Teacher's Training College—		
(1) Furniture and Manual Training Apparatus—		
As per last B. S.	6,208 2 2	
Since added	3,284 6 3	9,492 8 5

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1936—contd.

Particulars.	Details.	Total.
	Rs. A. P.	Rs. A. P.
CAPITAL AND LIABILITIES—*contd.*		
Sale of Mohan Bagan Match Tickets for Gymnasium	800 0 0	
Seth Jugal Kishore Birla for Athletics .	5,000 0 0	
H. H. Maharaja Gaekwad of Baroda for Library	2,00,000 0 0	
Srimati Jai Deviji of Calcutta for Dari	500 0 0	
Srimati Bariji of Calcutta for Vidyarthi Sahayak Sabha	508 0 0	
Mr. P. C. Misra of Fyzabad for Ayurvedic Department	25 0 0	
Miss Lilavati Bai for Medicines . .	10 0 0	
Kumar Raja Saheb of Vizayanagram for Gymnasium	500 0 0	
H. H. The Thakur Saheb of Limbdi for Hostel	70,000 0 0	
Seth Ghanshyam Das Birla for Hindi Publication	50,000 0 0	
Seth Rameshwardas Birla for Rajputana Hostel	75,000 0 0	
The Hon'ble Mr. Justice Gokaran Nath Misra for Gymnasium . . .	25 0 0	
Seth Chhajjuram Sajan Kumar for Hospital	21,000 0 0	
Seth Ram Prasad Madhavji . .	5,000 0 0	
Seth Jaidayalji Kasera . . .	1,100 0 0	
Seth Onkarmal Jatia, Kt. . . .	2,500 0 0	
S. N. Banerjee, Esqr., Calcutta . .	5,000 0 0	
Babu Sri Krishna Bhattar, Calcutta .	1,500 0 0	
Sir Hariram Goenka, Calcutta, for Hospital	5,000 0 0	
Rao Kripal Singh of Awagarh for Gymnasium	100 0 0	
Seth Lachhiram Sah for printing Religious Books	500 0 0	
Lala Sitaram, M.A., LL.B. . . .	50 0 0	
Maharaja Bahadur of Balrampur for Gymnasium	2,000 0 0	
Messrs. Ramgopal Sheoratan Mehta for Hostel	35,001 0 0	
Pt. Ramdularey Trivedi for Gymnasium	100 0 0	
H. H. Maharaja Bahadur of Kotah for Gymnasium	1,000 0 0	

Particulars.		Details.	Total.
		Rs. A. P.	Rs. A. P.
PROPERTY AND ASSETS—*contd.*			
(2) Books and Periodicals—As per last B. S. .	..	2,554 4 2	
		12,046 12 7	
(*h*) Colleges of Oriental Learning and Theology—			
(1) Apparatus—As per last B. S. .	..	2,401 15 9	
(2) Books and Periodicals—As per last B. S. .	..	2,062 9 1	
(3) Furniture—As per last B. S. .	..	3,469 4 9	
		7,933 13 7	
(*i*) Law College Books and Furniture—			
As per last B. S. .	806 5 6		
Since added . .	141 8 0	947 13 6	
(*j*) Sporting and Gymnasium—			
(1) C. H. College Sporting—As per last B. S. .	..	1,611 7 9	
(2) C. H. School sporting—As per last B. S. .	..	1,193 2 3	
		2,804 10 0	
(*k*) Furniture and books other than for above—			
As per last B. S. .	1,88,844 5 11		
Since added . .	5,440 10 3	1,94,285 0 2	
(*l*) Photos and drawings—As per last B. S. .	..	3,684 6 0	
(*m*) Medical and sanitation instruments and books, etc.—As per last B. S. .	..	8,978 11 10	

	Rs.	a.	p.
H. H. Maharaja Bahadur of Patiala for Gymnasium	2,000	0	0
Seth Ghanshyamdasji Birla for Music	200	0	0
Seth Gauri Shankar Goenka, Khurja, for Ayurveda	2,500	0	0
Seth Bhairodan Ishwar Chand for Books	10,000	0	0
H. H. Maharaja of Nepal	2,00,000	0	0
Principal A. B. Dhruva for a Shield	316	0	0
Kunwar Balbir Singh, Muzaffarpur, for Gymnasium	100	0	0
Rai Saheb Nihal Singh Saheb	25	0	0
H. H. Maharawal of Dongarpur	101	0	0
Donations collected by the Students of Engineering College	9,000	0	0
Seth Dhannumal Har Bhagwan Das, Shikarpur, for a room in the Hostel	1,000	0	0
Sumer Chandji, Ex. Engineer, Hardoi, for Gymnasium	25	0	0
Mr. Chandra Kishore, Mainpuri, for Gymnasium	100	0	0
Mr. Ram Kishore Dixit, Nainital, for Gymnasium	10	0	0
Mr. A. E. Mitra, Asstt. Engineer, Saharanpur, for Gymnasium	50	0	0
Mr. R. L. Bansal, Distt. Engineer, Allahabad, for Gymnasium	25	0	0
Pt. Rajnarayan, Supdg. Engineer, Nainital, for Gymnasium	250	0	0
Mr. Krishna Kumar, Dy. Collector, Benares, for a well	114	8	0
Donation realised by the Vice-Chancellor	200	0	0
H. H. the Maharaja of Jodhpur for Agricultural College	3,00,000	0	0
Donations from the sons of late Sir Ganga Ramji of Lahore for Canal	1,00,000	0	0
Pt. Brijmohan Lal Dave, M.A. and Pt. Ram Kishna Dave, B.A., Allahabad, for Bed Expenses of Sir Sundar Lal Hospital	1,00,000	0	0
Messrs. Baboo Nandan Inder Attarwala, Bombay, for rooms	10,000	0	0
Pt. Chintamani Pant, Ex. Engineer, Delhi	1,000	0	0
Donation from Jodhpur for Agricultural College	1,000	0	0
P. Choudhary, Esqr., of Calcutta in French Books to B. H. U. Library	15,000	0	0
Pt. Jaideo Prasad Sharma, Benares, for equipment of T. T. C.	110	0	0
P. Lal Agarwala, Esqr., for Gymnasium	50	0	0
J. N. Goil, Esqr., for Ayurveda	10	0	0
Avadh Behari Sara, Esqr., for Gymnasium	100	0	0

	Rs.	a.	p.	Rs.	a.	p.
(n) Ayurvedic Department—						
As per last B. S.	24,678	8	11			
Since added	2,358	4	6	27,036	13	5
(o) Hospital equipment—						
As per last B. S.	64,729	10	7			
Since added	1,231	2	6	65,960	13	1
(p) School Board—						
Science—						
(1) Apparatus as per last B. S.				9,209	12	2
(2) Manual training as per past B. S.				1,350	12	0
(3) Furniture—						
As per last B. S.	29,500	2	9			
Since added	437	8	0	29,937	10	9
(4) Books and Magazine as per last B. S.				2,323	5	0
(5) R. S. pathshala books and furniture—						
As per last B. S.	483	10	0			
Since added	90	15	0	574	9	0
(6) Girls' school wiring—						
As per last B. S.	..			112	13	0
(7) Girls' school books and furniture—						
As per last B. S.	2,986	4	0			
Since added	117	12	0	3,104	0	0
(8) C. H. Girls, School Hostel				38	7	6
				46,651	5	5
(q) Live Stock and Carriages—						
1. Horses and Carriages—						
As per last B. S.	..			6,248	7	3
2. Agriculture—						
As per last B. S.	9,463	2	3			
Since added	22	0	0	9,485	2	3
3. Sanitation—						
As per last B. S.	..			153	0	0
4. College of Oriental Learning—						
As per last B. S.	..			500	0	0
5. Girls' School—						
As per last B. S.	..			371	4	0
6. Botanical Garden—						
As per last B. S.	..			100	0	0
7. Plant Physiology—						
As per last B. S.	..			600	2	0
				17,357	15	6
(r) Agriculture: Dairy and Estates—						
1. Implements and Stores—						
As per last B. S.	..			5,419	7	6

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1936—contd.

Particulars.	Details.	Total.
	Rs. A. P.	Rs. A. P.
CAPITAL AND LIABILITIES—*contd.*		
Rao Raja Narpat Singh, Private Secretary to H. H. Maharaja Sahib of Jodhpur for Agriculture . . .	3,300 0 0	
Seth S. Mulji Parsram Tehra, Cutch, for Vidyarthi Sahayak Sabha . .	20 0 0	
Rai Bahadur Seth Jugal Kishore Birla for Bhagawat Geeta . . .	50,000 0 0	
Collection from students for citizen Library in Block A, B, C, Hostel No. 1	227 13 0	
Lachi Ram Shah, Esqr., Almora, for Religious Text Books . . .	500 0 0	
V. R. Naik, Esqr., Hyderabad Deccan, for Gymnasium	5,000 0 0	
Do. do. . . .	1,600 0 0	
Pt. R. S. Tiwary of Dumka—Reward for poor Brahmins of Sanskrit class .	7 8 0	
Krishnaji Gopal Naik, Esqr., Hyderabad Deccan, for a room . . .	1,000 0 0	
Kumar Rananjaya Singh of Amethi for Gymnasium	500 0 0	
M. E. Bijawat, Esqr., Lucknow, for Gymnasium	100 0 0	
Jwala Prasad, Esqr., B.A., C.E., Chief Engineer, Irrigation Branch, Lucknow, for Gymnasium	200 0 0	
B. Govind Singh and B. Devas Singh of Karachi for College of Oriental Learning and Theology . . .	250 0 0	
B. Kishore Lalji Agarwala—for sweets to the students of C. H. S. . .	5 4 0	
Donation of Raja Dhanraj Gir for Hostel	60,000 0 0	
Donation of Mr. Thadulingam, Principal, Agricultural College, Coimbatore	900 0 0	
Donation of H. H. Maharaja of Darbhanga for Temple . . .	1,00,000 0 0	
Jagannath Khanna, Esqr., Retired Inspector of Schools, Jodhpur . .	2,000 0 0	
Shreemati Sushila Devi, Simla, for Temple	100 0 0	
Adhimaharaj Peruli Debi, Simla, for Temple	100 0 0	

Particulars.		Details.	Total.
		Rs. A. P.	Rs. A. P.
PROPERTY AND ASSETS—*contd.*			
2. Books—			
As per last B. S. .	..	13 4 0	
3. Furniture—			
As per last B. S. .	4,377 2 2		
Since added . .	87 3 6	4,464 5 8	
		9,897 1 2	
(*s*) Music Department—			
As per last B, S. . . .	..	326 12 9	
(*t*) U. T. Corps—			
As per last B. S. . . .	..	1,076 15 9	
(*u*) Women College Hostel Furniture—			
As per last B. S. . . .	7,193 15 6		
Since added . . .	421 1 6	7,615 1 0	
(*v*) Ancient Indian History and Culture—			
As per last B. S. . . .	..	531 9 6	
(*w*) History and Philosophy Department —			
History Department—			
As per last B. S. .	95 7 0		
Philosophy Department .	286 11 9	382 2 9	
(*x*) Book Depot—			
Books—			
As per last B. S. .	6,379 2 3		
Since sold . .	44 8 0	6,334 10 3	
(*y*) River Boat—			
As per last B. S. . . .	673 5 6		
Since added . . .	159 13 0	833 2 6	

Late Pandit Motilal Nehru, Allahabad (in shape of Law Books) . . .	10,000 0 0	
Mr. Pannalal Maheshwari, s/o Messrs. Purushottam Das Narayan Das Maheshwari of Japla . . .	10 0 0	
Mr. Chandanlal Agarwal for T. T. College	30 0 0	
"Ek Sahayak" through Pt. Govind Malaviya for Temple . .	60 0 0	
Mrs. and Mr. Ambalal Sarabhai, Ahmedabad, for special purposes .	5,000 0 0	
Sheth Kasturbhai Lalbhai, Ahmedabad, for Women Hostel	20,000 0 0	
Sir Chinubhai Madhowlal Ranchhodlal, Ahmedabad	5,000 0 0	
B. Rajniti Prasad Singh, Monghyr, for a quarter	1,400 0 0	
Pari Jeshinghbhai Ujamshibhai, Ahmedabad	1,501 0 0	
Pari Chunilal Khusaldas, Ahmedabad .	1,001 0 0	
Pari Hiralal Trikamlal, Ahmedabad .	2,001 0 0	
"Girdhardas Harivallabhdas" Trust Fund by Sheth Chamanlal G. Parekh and Sheth Mathuradas Mangal Das, Ahmedabad	5,001 0 0	
Sheth Manilal and Marshden, Ahmedabad	1,501 0 0	
Sheth Jamnabhai Bhagubhai, Ahmedabad	3,001 0 0	
Mrs. Nirmala Bakubhai, Ahmedabad .	2,001 0 0	
Sheth Popatlal Harilal Nagari, Ahmedabad	750 0 0	
Sheth Motilal Hirabhai, Ahmedabad .	3,001 0 0	
Sheth Balabhai Damodar Das, Sarangpur Cotton Mills, Ahmedabad . .	3,001 0 0	
Sheth Chimanlal Harilal Nagari, Ahmedabad	751 0 0	
Sheth Haridas Achratlal, Ahmedabad .	2,001 0 0	
Sheth Chinubhai Lalbhai Trikam, Ahmedabad	2,001 0 0	
Prof. V. S. Tamma, Esqr., Meerut .	179 4 0	
The Commercial Mills Co., Ltd., Ahmedabad	751 0 0	
The New Commercial Mills, Ahmedabad	750 0 0	
Sheth Durga Prasad Shambhu Prasad Hashkari, Ahmedabad . . .	2,001 0 0	
Sheth Maneklal Mansukhlal, Ahmedabad	5,000 0 0	
Pari Gopalbhai Manibhai, Ahmedabad .	1,501 0 0	
Sheth Amratlal Damodardas, Ahmedabad	1,001 0 0	
Rai Bahadur Raja Raj Shree Hari Singhji Saheb, C.I.E., Bikaner, for Women College	100 0 0	

(z) Collection Committee Furniture— As per last B. S.		673 15 0	
(za) Religious Text Books— As per last B. S.		590 14 6	
(zb) Botanical Garden Furniture— As per last B. S.		534 14 0	
(zc) Lachchaman Dass Guest House . .		1,040 2 3	38,06,467 14 1
V. Advances and suspense as per statement No. 3		....	76,192 13 4
VI. Amount of defalcation pending adjustment—			
(a) Engineering College		80,549 6 4	
(b) Amount recoverable on account of defalcation in C. H. College		2,866 9 6	
(c) Do. discovered in Law College Library Caution Money . . .		2,010 0 0	85,425 15 10
VII. Amount of Birla Hindi Publication fund adjustable		....	13,163 9 9
VIII. Cash in hand and with Bankers— (Central Office)— In current account with—			
(a) Imperial Bank of India		3,52,669 4 5	
(b) Allahabad Bank, Ltd., Allahabad . .		196 1 6	
(c) Benares Bank, Ltd., Benares . . .		4,161 4 0	
(d) Cash at office including cheque for . .	56 3 0	2,485 0 3	
(e) Building Department .	27 8 0		
Cash in hand and with Bankers . . .	17,035 14 10	17,063 6 10	3,76,575 1 0
IX. Excess of disbursements over receipts adjustable as per last Balance Sheet		5,38,924 8 0	
For the year 1935-36		1,25,766 4 11	6,64,690 12 11

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1936—contd.

Particulars.	Details.	Total.	Particulars.	Details.	Total.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
CAPITAL AND LIABILITIES—*contd.*			PROPERTY AND ASSETS—*contd.*		
His Highness the Maharajadhiraj of Kashmir for Gymnasium	500 0 0				
Small donations received through the Head Master, Central Hindu School, for special purposes	2,000 0 0				
Seth Bhanwarlalji Rampuria, Bikaner, for special purposes	5,000 0 0				
Seth Jugal Kishore Birla, Calcutta	750 0 0				
Small donations received through Prof. M. L. Shroff, C. H. C., for special purposes	213 0 0				
B. Ghanshyamdas Loyalka, Calcutta, for special purposes	50 0 0				
Shrijut Sada Sukhji Kobra, Calcutta, for Pharmaceutical Works	50 0 0				
Srijut Madanlalji, Calcutta, for Pharmaceutical Works	50 0 0				
Srijut Ram Nathji Shekh Saria, Calcutta, for Pharmaceutical Works	50 0 0				
Sri Ram Dat Ji Ganga Buksh, Calcutta, for Pharmaceutical Works	425 0 0				
Srijut Duttji Bhailwala, Calcutta, for Pharmaceutical Works	500 0 0				
Srijut Sohanlalji Dugor, Calcutta, for Pharmaceutical Works	100 0 0				
Srijut Daulat Ram Rawatmal, Calcutta, for Pharmaceutical Works	100 0 0				
"A Friend" through Mr. Lahna Singh, Punjab, for special purposes	200 0 0				
B. Abhey Singh, Saharanpore, for special purposes	14 0 0				
Dr. Jivraj N. Mehta, Bombay, for special purposes	600 0 0				
Shivanarayan Lal for machinery for Soap Section	690 0 0				
Lala Basanti Mall Gandawala for Books	21 0 0				
Mr. Ragunath Mull, Hyderabad, for the purchase of Jain Books	51 0 0				
B. Munna Lal, Contractor	500 0 0				
Krishna Prasad, Esq., I.C.S., Etah, for S. S. Hospital	100 8 0				
Donation realised through Mr. A. V. Patankar for Engineering College	52 0 0				

Seth Motilal Manik Amalner for Engineering College	100 0 0			
Seth Dosabhai Magan Lal for Library Buildings	5,000 0 0			
Seth Jaidayal Dalmia for Library and Agriculture	5,000 0 0			
Students of T. T. College for Electric Installation	286 0 0			
The students of Panna Lal High School, Bombay, for Children's School. .	100 0 0			
S. M. Saraswati Malaviya, Allahabad, for temple	151 0 0			
Lala Belly Ram Bhatia, Calcutta, for depressed class students . . .	125 0 0			
Collections made by Miss Godavari Bai and others, for C. H. Girls' School .	2,502 12 0			
Dr. Ganesh Prasad, D.Sc., Calcutta, for Books	350 0 0			
Seth Govardhandas Govindram Sekhsaria, Nawalgarh, Jaipur, for Smithy Shop in the Engineering College .	11,000 0 0			
B. Charanjilal Layalka, Sandhurst Road, Bombay, for hedges and trees	500 0 0			
Mr. S. V. Kailashpathy, Allahabad, for students' welfare	50 0 0			
Dr. P. Prakash, Mussorie, for Harijan .	50 0 0			
Mr. Ramesh Chandra Gupta, Bulandshahar, for temple	11 12 0			
H. H. the Nawab of Rampur, for Engineering College— As per last B. S. 20,000 0 0 Since added . 20,000 0 0	40,000 0 0			
Messrs. Devkinandan and Girja Nandan Prasad, Moradabad, for a room .	650 0 0			
Sardar Dogar Singh, B. H. U., for foundation day celebration . .	5 0 0			
Captain Ramchandra, B. H. U., for special object	25 0 0			
Munshi Moti Lal, Pensioner, Mandla, for Books	300 0 0			
Miscellaneous collection made by students of K. E. Hostel, for Electric Installation	369 0 0			
Students of Mining and Metallurgy Dept., for tent equipment . .	1,264 11 0			
Mr. Rajniti Prasad Singh, of Monghyr, for repairs to quarters . . .	188 12 0			
Mr. M. T. Vhiriam, Engineering College and Mr. K. P. Nair, Ceramic Dept. for Hospital . . .	30 0 0			
Seth Jugal Kishore Birla, Calcutta for stone chairs— As per last B. S. . . 500 0 0 Since added . . 288 0 0	788 0 0			

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1936—contd.

Particulars.	Details.	Total.	Particulars.	Details.	Total.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
CAPITAL AND LIABILITIES—*concld.*			PROPERTY AND ASSETS—*concld.*		
Major D. Graham, London, for Dr. Annie Besant Endowment Fund	11,793 11 8				
Srimati Bhagwan Devi for wells	500 0 0				
Raja Baldeo Das Ji Birla, Benares, for Children's School	5,000 0 0				
Pt. Bhagwan Din Ji Shukla, Shatpur Betul, C. P., for special purpose	5 0 0				
Dr. Bhagawan Das Sahib, Benares, for C. H. School Boarding House	50 0 0				
Mr. Gurudayal Mukhlal for benefit of students	10 0 0				
Donation collected by Dr. Iyer for instruments and apparatus for S. S. Hospital	340 0 0				
Donations collected through Principal, T. T. College, for improvement of T. T. College—					
As per last B. S. . 1,550 0 0 Since added . . 7,915 14 0	9,465 14 0				
Pt. Mohanlal Ji Kapurthala for Lachhamandas Guest House—					
As per last B. S. . 10,000 0 0 Since added . . 1,000 0 0	11,000 0 0				
Nana Saheb Sathe, Esqr., Sholapur, for Shooting Range	1,000 0 0				
Rajmal Rathe, Esqr., Sholapur, for Shooting Range	1,000 0 0				
Dr. Vaishampayan, Esqr., Sholapur, for Shooting Range	500 0 0				
Baikunthlal S. Thakore, Esqr., Sholapur, for Shooting Range	501 0 0				
Dr. Mulay, Esqr., Sholapur, for Shooting Range	101 0 0				
Collections through Prof. P. S. Varma for temple	5 0 0				
Madanlalji Bajaj, Calcutta, for Pharmaceutical Department	100 0 0				
B. Kaushal Kishore, Mukhtar, Aligarh, for poor students	11 0 0				

Additions during 1935-36.

Mr. S. P. Tandon, Aligarh, for Women's College		900 0 0	
H. H. Maharaja of Tehri, Garhwal, for special purposes		20,000 0 0	
S. D. Pandey, Esqr., Pilani, for Science College Garden		50 0 0	
S. H. Bose, Esqr., Manbhoom for Mining and Metallurgy Library Fund		50 13 0	
Sat Narain Kholsa, Esqr., Jullundur for special purposes		950 0 0	
T. N. Wally, Esqr., Bhilwara, for Science College Garden		10 0 0	
Mr. Dwarka Das Jagannath, Chindwara, for poor students		100 0 0	
Dr. Mata Prasad, Bombay, for Science College Garden		50 0 0	
Principal K. K. Mathur, B. H. U., for Science College Garden		54 0 0	
Shrimati Bhagwan Devi Birla for Library . . .		1,000 0 0	
Patients of Sir Sundarlal Hospital for Hospital. .		615 8 6	
Shri Gauri Shankarji Goenka for Gowshala . .		3,600 0 0	
Smty. S. B. Rai for Women's Hostel . .		3,500 0 0	
Chief Sahib of Aundh for Physical Culture . .		1,000 0 0	
Man Mohan Das Kali Das, Bombay, for Children's School		101 0 0	
Donations realised through Dr. Altekar, B. H. U., for Children's School		1,250 0 0	
Collections from University Club		100 0 0	
"A friend" through Mr. V. J. Patel for Swimming Fund		700 0 0	
Lala Shri Ram, M.A., in Books and manuscripts .		10,000 0 0	31,71,492 11 5
(5) Donation General (as per separate Statement No. 7)—			
As per last B. S. .	68,57,614 9 10		
Since added . .	1,56,960 1 6	..	70,14,574 11 4
(6) Donation for Women College as per last B. S.			2,91,000 0 0
(7) Women College Reserve Fund as per last B. S.			12,003 8 8
III. Central Hindu College properties excluding revenue yielding properties, and Endowments for scholarships and perpetual grants as per last B. S.			12,07,859 0 5
Debts, Deposits and Advances—			
IV. 1. Provident Fund (as per separate Statement No. 4)—			
As per last B. S. . . .	6,44,104 8 4		
Since added . . .	69,857 1 3	..	7,13,961 9 7

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1936—contd.

Particulars.	Details.	Total.	Particulars.	Details.	Total.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
CAPITAL AND LIABILITIES—*contd.*			PROPERTY AND ASSETS—*concld.*		
2. Special Fund—					
(*a*) Scholarships and prizes (as per Statement No. 5)	54,169 6 11				
(*b*) Maharaja Manindra Chandra Nandy Chair as per separate Statement No. 6 .	16,287 7 9				
(*c*) Jain Swetamber Chair	1,016 6 0				
(*d*) Raja Sir Motichand Chair as per separate Statement No. 6	3,104 8 0	74,577 12 8			
3. C. H. School Board Special fund—					
As per last B. S. . . . 84,652 3 1					
Since added . . . 3,195 5 4	87,847 8 5	87,847 8 5			
4. Security deposit—					
As per last B. S. . 11,275 0 0					
Since added . . 2,900 0 0	14,175 0 0				
5. P. W. Deposits	13,595 4 1				
6. Other Deposits	94,599 8 1				
7. Temple Fund	10,227 4 0				
8. Geeta Fund	1.864 11 9				
9. Jodhpur Agriculture Fund—					
(*a*) Irwin Chair	18,344 0 7				
(*b*) Reserve for New Residences . . .	12,399 9 9				
10. Shah Brindaban Das Fund	2,697 15 7	1,67,903 5 10			
V. Overdraft from the Imperial Bank of India, Benares		9,78,373 6 2			
VI. Cheques drawn on the Imperial Bank of India, not yet cashed		63,298 14 11			
TOTAL .		2,94,67,672 6 7	TOTAL .		2,94,67,672 6 7

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 1.

Showing the Government Promissory Notes and Securities in possession of the B. H. U. for the following purposes.

(Annexure to Balance Sheet as at 31st March 1936.)

Particulars of G. P. Notes and Securities.	Reserve Fund.	Chairs.			General Fund.	Temple Fund.	Security Deposit.	Special Fund.			Women's College.	The Chaturvedi Hari Bhajan Pd. Scholar-ship Trust Fund.	Geeta Fund.	Swiming Fund.	Total.
		Motichand Chair.	Manindra Chandra Chair.	Jain Chair of Phil. & Logic.				Scholar-ship sand Prizes.	Ayurveda Fund.	Provident Fund.					
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
3½ per cent. G. P. Notes 1854-55	19,25,800	300	22,000	50,000	..	..	..	81,000	14,600	..	..	..	..	..	20,93,700
3½ per cent G. P. Notes 1900-01	16,65,900	..	1,50,000	2,000	..	..	..	68,400	..	8,000	..	..	..	..	18,94,300
3½ per cent G. P. Notes 1842-43	..	1,17,900	..	..	100	..	..	18,000	40,800	..	..	..	..	..	1,76,800
3½ per cent. G. P. Notes 1865	200	..	..	..	..	..	100	88,500	1,00,000	..	..	..	..	..	1,88,800
3 per cent. of 1896-97	..	..	..	..	..	..	..	4,500	..	..	..	..	..	..	4,500
3 per cent. of 1951-54	..	..	..	..	..	..	..	1,000	..	..	..	..	..	..	1.000
3 Sterling Loan Certificates—(Face value £21,900-0-0)	..	..	..	..	..	..	..	..	..	..	2,19,000	..	..	..	2,19,000
4½ per cent. Loan 1955-60	..	..	..	..	..	..	..	9,900	..	1,00,000	..	..	..	..	1,09,900
5 per cent. Bonds 1945-55	..	..	..	..	..	..	..	13,100	..	79,700	..	..	..	..	92,800
5 per cent. Bonds 1940-43	..	..	..	..	..	..	..	100	..	..	..	..	..	..	100
5½ per cent. Loan 1938-40	..	..	..	..	..	..	..	2,100	15,300	45,200	..	500	..	..	63,100
6 per cent. Loan 1938-40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 per cent. Loan 1960-70	..	..	..	..	..	..	..	16,000	..	1,000	..	11,000	..	700	28,700
4 per cent. Bom. P. T. & M. Deb.	27,500	..	..	..	..	..	..	..	..	..	..	..	..	..	27,500
5 per cent. U. P. Loan of 1944	6,500	..	..	..	..	65,000	..	14,700	..	3,28,400	..	700	30,000	..	4,45,300
6½ per cent. Trea. Bond	..	..	..	..	..	..	..	..	..	..	..		..	..	..
TOTAL	36,25,900	1,18,200	1,72,000	52,000	100	65,000	100	3,17,300	1,70,700	5,62,300	2,19,000	12,200	30,000	700	53,45,500

Certified that (1) G. P. Notes and Securities for Rs. 53,44,200 are kept for safe custody in the Imperial Bank of India, Benares, as per Bank Certificate attached.

(2) The following Securities were in the Office with the Cashier :—

	Rs.
(a) 3½ per cent. G. P. Note 1842-43 for	100
(b) 3½ per cent. G. P. Note 1865	100
(c) 3½ per cent. G. P. Note 1865	100
(d) 3½ per cent. G. P. Note 1900-01	300
(e) 4 Per cent. G. P. Note 1960-70	500
(f) 4 Per cent. G. P. Note 1960-70	200
Total	1,300

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

Details of Government Promissory Notes and other Securities as shown in Statement No. 1.

RESERVE FUND.

Security	Year	No.	Rs.	Rs.
3½ per cent. G. P. Notes of	1854-1855	No. 240759 for	18,71,800*	
"		" 242233 "	50,000	
"		" 245205 "	3,000	
"		" 213873 "	1,000	19,25,800
3½ per cent. G. P. Notes of	1900-1901	" 3 56196 "	16,63,900*	
"		" 363661 "	700	
"		" 307382 "	500	
"		" 344094 "	500	
3½ per cent. G. P. Notes of 1865		"	300	16,65,900
3½ per cent G. P. Notes of 1865		"	200	200
4 per cent. Bombay Municipal Debentures	1899-1900	No. 00574 for	1,000	
	"	" 00162 "	500	
	"	" 00948 "	1,000	
Do.	1909-1910	" 00298 "	500	
	"	" 00299 "	500	
	"	" 00492 "	500	
	"	" 00490 "	1,000	
	"	" 00491 "	1,000	
	"	" 00037 "	500	
	"	" 00038 "	500	
	"	" 00039 "	500	
	"	" 00040 "	500	
4 per cent. Port Trust Debentures, Bombay,	1905	" 8117 "	500	
	1914	" 2951 "	1,000	
	"	" 2952 "	1,000	
4 per cent. Bombay Municipal Tausa Loan	1909-1910	" 00487 "	500	
	"	" 00488 "	500	
	"	" 00489 "	500	
4 per cent. Bombay Improvement Trust	1903	" 6159 "	7,500	
	"	" 4556 "	500	
Do.	1904	" 5285 "	1,000	
	"	" 5286 "	1,000	
	"	" 5287 "	1,000	
	"	" 5288 "	1,000	
	"	" 5289 "	1,000	
	"	" 5290 "	1,000	
	"	" 5291 "	1,000	
	"	" 5292 "	500	27,500
5 per cent. U. P. Bonds, 1944		No. D 000185 for	5,000	
"		" C 000155 "	1,000	
"		" 000141 "	100	
"		" 000142 "	100	
"		" 000143 "	100	
"		" 000144 "	100	
"		" 000145 "	100	
				6,500
TOTAL				36,25,900

MOTI CHAND CHAIR.

Security	Year	No.	Rs.	Rs.
3½ per cent. G. P. Notes of	1842-43	No. 209303 for	1,17,900	
Do.	1854-55	" 241088 "	300	1,18,200
TOTAL				1,18,200

* Bank holds in over-draft account.

MANINDRA CHANDRA NANDY CHAIR.

				Rs.	Rs.
3½ per cent. G. P. Notes of	1854-55	No. 227866 for	. . .	1,000	
	,,	,, 22560 ,,	. . .	1,000	
	,,	,, 223726 ,,	. . .	10,000	
	,,	,, 225557 ,,	. . .	10,000	
					22,000
Do.	1900-01	,, 302983 ,,	. . .	25,000	
	,,	,, 302984 ,,	. . .	25,000	
	,,	,, 302985 ,,	. . .	25,000	
	,,	,, 302986 ,,	. . .	25,000	
	,,	,, 302981 ,,	. . .	25,000	
	,,	,, 302982 ,,	. . .	25,000	
					1,50,000
			TOTAL .		1,72,000

JAIN SWETAMBAR CHAIR OF PHILOSOPHY AND LOGIC.

3½ per cent. G. P. Notes of	1854-55	No. B 100440 for	. . .	25,000	
	,,	,, 100441 ,,	. . .	25,000	
					50,000
Do.	1900-01	,, B 129827 ,,	. . .	1,000	
	,,	,, 362450 ,,	. . .	1,000	
					2,000
			TOTAL .		52,000

GENERAL PURPOSES.

3½ per cent. G. P. Note of	1842-43		. . . . .	100	100
			TOTAL .		100

SECURITY DEPOSIT.

3½ per cent. G. P. Note of	1865	No. 341195 for	. . . .	100	100
			TOTAL .		100

SCHOLARSHIPS AND PRIZES.

3½ per cent. G. P. Notes of	1854-55	No. 223729 for	. . .	50,200	
	,,	,, 248803 ,,	. . .	500	
	,,	,, 224414 ,,	. . .	100	
	,,	,, 221193 ,,	. . .	500	
	,,	,, 239812 ,,	. . .	1,400	
	,,	,, 246571 ,,	. . .	10,000	
	,,	,, 238673 ,,	. . .	1,000	
	,,	,, 222064 ,,	. . .	5,000	
	,,	,, B 111747 ,,	. . .	1,000	
	,,	,, B 111748 ,,	. . .	1,000	
	,,	,, 240412 ,,	. . .	100	
	,,	,, 240413 ,,	. . .	100	
	,,	,, 241121 ,,	. . .	100	
	,,	,, 244910 ,,	. . .	10,000	
					81,000
3½ per cent. G. P. Notes of	1900-01	No. 269717 ,,	. . .	5,000	
	,,	,, 269718 ,,	. . .	5,000	
	,,	,, 333372 ,,	. . .	100	
	,,	,, 318344 ,,	. . .	100	
	,,	,, 341806 ,,	. . .	100	
	,,	,, 322256 ,,	. . .	25,000	
	,,	,, 351192 ,,	. . .	13,200	
	,,	,, B 033666 ,,	. . .	500	
	,,	,, B 063170 ,,	. . .	1,000	
	,,	,, B 063175 ,,	. . .	1,000	
	,,	,, B 063176 ,,	. . .	1,000	
	,,	,, B 063177 ,,	. . .	1,000	
	,,	,, B 109684 ,,	. . .	1,000	
	,,	,, 360878 ,,	. . .	100	
	,,	,, 360879 ,,	. . .	100	

SCHOLARSHIPS AND PRIZES—*contd.*

Security	Year	No.		Rs.	Rs.
3½ per cent. G. P. Notes of	1900-01	No. B 170352	for	10,000	
,,		,, B 126644	,, ...	1,000	
,,		,, 303876	,, ...	1,000	
,,		,, 298645	,, ...	500	
,,		,, B 128643	,, ...	100	
,,		,, B 128644	,, ...	100	
,,		,, B 170351	,, ...	100	
,,		,, B 173728	,, ...	100	
,,		,, B 173729	,, ...	100	
,,		,, 361269	,, ...	500	
,,		,, 364460	,, ...	500	
,,		,, ,,	,, ...	100	
,,		,, 377267	,, ...	100	
					68,400
3½ per cent. G. P. Notes of	1842-43	,, 198232	,, ...	500	
,,		,, 202896	,, ...	1,000	
,,		,, 213114	,, ...	5,500	
,,		,, 211905	,, ...	1,000	
,,		,, 210607	,, ...	5,000	
,,		,, 210616	,, ...	2,000	
,,		,, 210617	,, ...	2,000	
,,		,, ,,	,, ...	1,000	
					18,000
3½ per cent. G. P. Notes of	1865	,, 369903	,, ...	1,400	
,,		,, 369902	,, ...	5,000	
,,		,, 361215	,, ...	2,000	
,,		,, 343672	,, ...	1,000	
,,		,, 254437	,, ...	500	
,,		,, 249275	,, ...	100	
,,		,, 217895	,, ...	100	
,,		,, 268410	,, ...	2,000	
,,		,, 346487	,, ...	1,000	
,,		,, 346521	,, ...	43,300	
,,		,, 374377	,, ...	3,600	
,,		,, 374378	,, ...	25,000	
,,		,, 370596	,, ...	500	
,,		,, ..	,, ...	2,000	
,,		,, ..	,, ...	1,000	
					88,500
3 per cent. G. P. Notes of	1896-97	,, 110264	,, ...	3,500	
,,		,, 112506	,, ...	1,000	
					4,500
4½ per cent. Loan of	1955-60	,, H 000494	,, ...	5,000	
,,		,, D 003711	,, ...	100	
,,		,, D 003712	,, ...	100	
,,		,, G 002292	,, ...	1,000	
,,		,, G 002293	,, ...	1,000	
,,		,, E 03054	,, ...	500	
,,		,, D 003741	,, ...	100	
,,		,, D 003742	,, ...	100	
,,		,, D 003743	,, ...	100	
,,		,, D 003744	,, ...	100	
,,		,, D 001797	,, ...	1,800	
					9,900
3 per cent. G. P. Note of	1951-54		,, ...	1,000	1,000
5 per cent. Loan of	1945-55	,, 057654	,, ...	13,000	
,,		,, 041961	,, ...	100	
Do.	1940-43	,, D 009404	,, ...	100	
					13,200
5½ per cent. Bonds of	1938-40	,, G 008793	,, ...	1,000	
,,		,, G 008794	,, ...	1,000	
,,		,, D 004849	,, ...	100	
					2,100

SCHOLARSHIPS AND PRIZES—*concld.*

					Rs.	Rs.
4 per cent. Loan of	1960-70	No.	J 010654	for	10,000	
	,,	,,	G 046862	,,	1,000	
	,,	,,	G 046863	,,	1,000	
	,,	,,	G 046864	,,	1,000	
	,,	,,	G 046861	,,	1,000	
	,,	,,	004569	,,	500	
	,,	,,	010803	,,	500	
	,,	,,	010715	,,	1,000	
						16,000
5 per cent. U. P. Loan of	1944	,,	C 000605	,,	1,000	
	,,	,,	C 001086	,,	1,000	
	,,	,,	A 000750	,,	100	
	,,	,,	D 000526	,,	5,000	
	,,	,,	C 001279	,,	1,000	
	,,	,,	C 001280	,,	1,000	
	,,	,,	A 000323	,,	100	
	,,	,,	A 000324	,,	100	
	,,	,,	000531	,,	500	
	,,	,,	000532	,,	100	
	,,	,,	000533	,,	100	
	,,	,,	000534	,,	100	
	,,	,,	000535	,,	100	
	,,	,,	C 001316	,,	1,000	
	,,	,,	000317	,,	1,000	
	,,	,,	000318	,,	1,000	
	,,	,,	000319	,,	1,000	
	,,	,,	000611	,,	500	
						14,700
					TOTAL	3,17,300

AYURVEDA FUND.

$3\frac{1}{2}$ per cent. G. P. Notes of	1854-55	No.	218154	for	1,000	
	,,	,,	229175	,,	200	
	,,	,,	838672	,,	1,000	
	,,	,,	229126	,,	1,000	
	,,	,,	222728	,,	1,000	
	,,	,,	239448	,,	10,400	
						14,600
$3\frac{1}{2}$ per cent. G. P. Note of	1842-43	,,	209304	,,	40,800	
						40,800
$3\frac{1}{2}$ per cent. G. P. Notes of	1865	,,	370503	,,	50,000	
	,,	,,	370508	,,	50,000	
						1,00,000
$5\frac{1}{2}$ per cent. Loan of	1938-40	,,	000844	,,	10,000	
	,,	,,	H 001860	,,	5,000	
	,,	,,	D 004850	,,	100	
	,,	,,	E 000432	,,	200	
						15,300
					TOTAL	1,70,700

PROVIDENT FUND.

				Rs.	Rs.
5 per cent. U. P. Bond of	1944	No. A 000957	for	100	
	,,	,, A 000760	,, ...	100	
	,,	,, A 000761	,, ...	100	
	,,	,, C 001281	,, ...	1,000	
	,,	,, D 000537	,, ...	5,000	
	,,	,, E 000329	,, ...	10,000	
	,,	,, F 000289	,, ...	25,000	
	,,	,, G 000017	,, ...	1,00,000	
	,,	,, F 000085	,, ...	25,000	
	,,	,, F 000084	,, ...	25,000	
	,,	,, F 000024	,, ...	25,000	
	,,	,, F 000025	,, ...	25,000	
	,,	,, F 000165	,, ...	25,000	
	,,	,, D 000028	,, ...	5,000	
	,,	,, D 000029	,, ...	5,000	
	,,	,, 000586	,, ...	10,000	
	,,	,, 000588	,, ...	10,000	
	,,	,, F 000086	,, ...	25,000	
	,,	,, 000587	,, ...	5,000	
	,,	,, C 001315	,, ...	1,000	
	,,	,, C 001321	,, ...	1,000	
	,,	,, 000616	,, ...	100	
					3,28,400
5½ per cent. Bond of	1938-40	,, E 000433	,, ...	200	
	,,	,, F 002575	,, ...	500	
	,,	,, G 007239	,, ...	1,000	
	,,	,, G 007240	,, ...	1,000	
	,,	,, G 007241	,, ...	1,000	
	,,	,, G 007242	,, ...	1,000	
	,,	,, K000792	,, ...	25,000	
	,,	,, F 000909	,, ...	500	
	,,	,, 000843	,, ...	15,000	
					45,200
5½ per cent. Loan of	1955-60	,, D 002973	,, ...	100	
	,,	,, 001209	,, ...	35,000	
	,,	,, F 002006	,, ...	500	
	,,	,, G 005358	,, ...	1,000	
	,,	,, G 005359	,, ...	1,000	
	,,	,, G 005360	,, ...	1,000	
	,,	,, H001349	,, ...	5,000	
	,,	,, H001350	,, ...	5,000	
	,,	,, H001351	,, ...	5,000	
	,,	,, H001352	,, ...	5,000	
	,,	,, H001353	,, ...	5,000	
	,,	,, D 002977	,, ...	100	
	,,	,, D 002978	,, ...	100	
	,,	,, D 002979	,, ...	100	
	,,	,, D 002980	,, ...	100	
	,,	,, G 000180	,, ...	1,000	
	,,	,, G 001709	,, ...	25,000	
	,,	,, G 001721	,, ...	10,000	
					1,00,000
5 per cent. Bonds of	1945-55	,, 011475	,, ...	10,000	
	,,	,, 048944	,, ...	28,000	
	,,	,, 050313	,, ...	25,000	
	,,	,, 028965	,, ...	14,700	
	,,	,, 053422	,, ...	2,000	
					79,700
4 per cent. Loan of	1960-70	,, 015795	,, ...	1,000	
					1,000
3½ per cent. G. P. Notes	1900-01	,, 390969	,, ...	8,000	
					8,000
			TOTAL .		5,62,300

WOMEN COLLEGE FUND.

			Rs.	*Securities.* Rs.
Sterling Loan to bearer for £100	No. A 00669	for	1,000	
,,	,, A 00670	,, ...	1,000	
,,	,, A 00671	,, ...	1,000	
,,	,, A 00672	,, ...	1,000	
,,	,, A 00673	,, ...	1,000	
,,	,, A 00674	,, ...	1,000	
,,	,, A 00675	,, ...	1,000	
,,	,, A 00676	,, ...	1,000	
,,	,, A 00677	,, ...	1,000	
,,	,, A 00678	,, ...	1,000	
,,	,, A 00679	,, ...	1,000	
,,	,, A 00680	,, ...	1,000	
,,	,, A 00681	,, ...	1,000	
,,	,, A 00682	,, ...	1,000	
,,	,, B 000917	,, ...	5,000	
,,	,, C 007394	,, ...	10,000	
,,	,, C 007395	,, ...	10,000	
,,	,, C 007396	,, ...	10,000	
,,	,, C 007397	,, ...	10,000	
,,	,, C 007398	,, ...	10,000	
,,	,, C 007399	,, ...	10,000	
,,	,, C 007400	,, ...	10,000	
,,	,, C 007401	,, ...	10,000	
,,	,, C 007402	,, ...	10,000	
,,	,, C 007403	,, ...	10,000	
,,	,, C 007404	,, ...	10,000	
3½ per cent. Sterling Loan to bearer for £100 ,,	,, C 007405	,, ...	10,000	
,,	,, C 007406	,, ...	10,000	
,,	,, C 007407	,, ...	10,000	
,,	,, C 007408	,, ...	10,000	
,,	,, C 007409	,, ...	10,000	
,,	,, C 007410	,, ...	10,000	
,,	,, C 007411	,, ...	10,000	
,,	,, C 007412	,, ...	10,000	
,,	,, C 007413	,, ...	10,000	
				2,19,000
		TOTAL .		2,19,000

TEMPLE FUND.

			Rs.	Rs.
5 per cent. U. P. Loan 1944	No. F 000072	for	25,000	
,,	,, E 000060	,, ...	10,000	
,,	,, E 000145	,, ...	10,000	
,,	,, E 000146	,, ...	10,000	
,,	,, D 000128	,, ...	5,000	
,,	,, D 000129	,, ...	5,000	
				65,000
		TOTAL .		65,000

GEETA FUND.

			Rs.	Rs.
5 per cent. U. P. Loan 1944	No. 000550	for	1,000	
,,	,, 000551	,, ...	1,000	
,,	,, 000552	,, ...	1,000	
,,	,, 000553	,, ...	1,000	
,,	,, C 001660	,, ...	1,000	
,,	,, C 001661	,, ...	1,000	
,,	,, C 001662	,, ...	1,000	
,,	,, C 001663	,, ...	1,000	
,,	,, C 001664	,, ...	1,000	
,,	,, C 000554	,, ...	1,000	
,,	,, C 000861	,, ...	1,000	
,,	,, 000547	,, ...	500	
,,	,, 000548	,, ...	500	
,,	,, D 000007	,, ...	5,000	
,,	,, C 000317	,, ...	1,000	
,,	,, D 000022	,, ...	5,000	
,,	,, 000018	,, ...	7,000	
				30,000
		TOTAL .		30,000

THE CHATURVEDI HARIBHAJAN PRASAD SCHOLARSHIPS TRUST FUND KALPI.

					Rs.	Securities. Rs.
5 per cent. U. P. Loan of	1944	No.	B 000349	for	500	
,,	,,	,,	A 000056	,,	100	
,,	,,	,,	A 000956	,,	100	700
5½ per cent. Bond of	1938-40	,,	F 100908	,,	500	500
4 per cent. Loan of	1960-70	,,	015794	,,	9,000	
,,	,,	,,	G 046865	,,	1,000	
,,	,,	,,	E 009727	,,	200	
,,	,,	,,	E 009728	,,	200	
,,	,,	,,	F 021299	,,	500	
,,	,,	,,	D 030081	,,	100	11,000
				TOTAL		12,200

SWIMMING FUND.

4 per cent. Loan of	1960-70	No.	F 019286	for	500	
,,	,,	,,	E 009172	,,	200	700
				TOTAL		700
				GRAND TOTAL		53,45,500

IMPERIAL BANK OF INDIA.

Benares, 12th February 1937.

No. 17/2496.

THE PRO-VICE-CHANCELLOR,
Benares Hindu University,
Benares.

DEAR SIR,

With reference to your letter No. P/4419/II (C)-1 of the 5th instant. I return herewith the statement of securities as on 31st March, 1936, with necessary correction and certificate as required by your Auditors.

Yours faithfully,

(Sd.) Illegible,
Agent.

List of Securities held by the Imperial Bank of India, Benares, on behalf of Benares Hindu University, as on 31st March 1936.

A/c BENARES HINDU UNIVERSITY.

	Rs.	Rs.
3½ per cent. Loan 1854-55	53,000	
3½ per cent. Loan 1900-1	700	
5 per cent. U. P. Loan 1944	6,500	
4 per cent. Bombay Municipal Loan 1899-1900	2,500	
4 per cent. Bombay Municipal Loan 1909-10	5,500	
4 per cent. Bombay Port Trust Deb. 1905	500	
4 per cent. Bombay Port Trust Deb. 1914	2,000	
4 per cent Bombay Municipal Deb. Tansa 1909-10	500	
4 per cent. Bombay Municipal Loan Deb.	1,000	
4 per cent. City of Bombay Improvement Trust 1903	8,000	
4 per cent. City of Bombay Improvement Trust 1904	7,500	87,700

A/c. SPECIAL FUND—KHATAU MAKANJI WOMEN'S EDUCATION FUND.

	Rs.	Rs.
3½ per cent. Sterling Loan Certificate to Bearer—£21,900	2,19,000	2,19,000

A/c. MANINDRA CHANDRA CHAIR.

3½ per cent. G. P. Notes 1854-55	22,000	
3½ per cent. G. P. Notes 1900-01	1,50,000	1,72,000

A/c. PROVIDENT FUND.

4 per cent. Loan 1960-70	1,000	
4½ per cent. Loan 1955-60	1,00,000	
5 per cent. Loan 1945-55	79,700	
5 per cent. U. P. Loan 1944	3,28,400	
5½ per cent. Loan 1938-40	45,200	
3½ per cent. Loan 1900-01	8,000	5,62,300

A/c. SCHOLARSHIP.

3 per cent. Loan 1896-97	4,500	
3½ per cent. Loan 1854-55	81,000	
3½ per cent. Loan 1900-01	68,400	
3½ per cent. Loan 1865	88,500	
3½ per cent. Loan 1842-43	18,000	
4 per cent. Loan 1960-70	16,000	
4½ per cent. Loan 1955-60	9,900	
5 per cent. Loan 1945-55	13,100	
5 per cent. U. P. Loan 1944	14,700	
5 per cent. Loan 1940-43	100	
5½ per cent. Loan 1938-40	2,100	
3 per cent. Loan 1951-54	1,000	3,17,300

5 Reserve Bank of India shares (Nos. 301146-50).

A/c. SECURITY DEPOSIT.

3½ per cent. Loan 1865	100	100

A/c. MOTICHAND CHAIR.

3½ per cent. Loan 1842-43	1,17,900	
3½ per cent. Loan 1854-55	300	1,18,200

A/c. CHATURVEDI HARIBHAJAN PRASAD SCHOLARSHIP FUND KALPI.

4 per cent. Loan 1960-70	11,000	
5 per cent. U. P. Loan 1944	700	
5½ per cent. Loan 1938-40	500	12,200

A/c. AYURVEDIC FUND.

3½ per cent. Loan 1854-55	14,600	
3½ per cent. Loan 1842-43	40,800	
3½ per cent. Loan 1865	1,00,000	
5½ per cent. Loan 1938-40	15,300	1,70,700

A/c. TEMPLE FUND.

5 per cent. U. P. Loan 1944	65,000	65,000

A/c. GEETA FUND.

5 per cent. U. P. Loan	30,000	30,000

GENERAL ACCOUNT.

	Rs	Rs.
3½ per cent. Loan 1900-01	1,000	
3½ per cent. Loan 1854-55	1,000	2,000

A/c. SHRI JAIN SWETAMBER CONFERENCE CHAIR.

3½ per cent. Loan 1854-55	50,000	
3½ per cent. Loan 1900-01	2,000	52,000
		18,08,500

Rupees eighteen lacs eight thousand five hundred only.

SECURITIES HELD AGAINST OVERDRAFT.

3½ per cent. Loan 1854-55	18,71,800	
3½ per cent. Loan 1900-01	16,63,900	35,35,700

Rupees thirtyfive lacs thirtyfive thousand seven hundred only.

I hereby certify that the above-mentioned securities were held by the Imperial Bank of India, Benares, on behalf of the Benares Hindu University as on 31st March 1936.

(Sd.) Illegible.

Agent,

Imperial Bank of India, Benares.

(TRUE COPY.)

CENTRAL HINDU SCHOOL BOARD, BENARES.

Special Fund 1935-36.

VIDYARTHI SAHAYAK SABHA.

3½ per cent. G. P. Notes Face Value Rs. 53,700 Cost Rs. 36,659-14-8.

			Rs.
3½ per cent. G. P. Notes No. S. P. C.	208A	Face Value .	500
,,	175A	,, .	500
,,	167A	,, .	500
,,	105A	,, .	500
,,	123A	,, .	1,000
,,	331A	,, .	500
,,	346A	,, .	500
,,	447A	,, .	600
,,	137A	,, .	500
,,	164A	,, .	500
,,	162A	,, .	300
,,	103A	,, .	500
,,	206A	,, .	800
,,	249A	,, .	2,700
,,	7A	,, .	200
,,	350A	,, .	300
,,	145A	,, .	1,500
,,	173A	,, .	500
,,	129A	,, .	500
,,	29A	,, .	500
,,	222A	,, .	700

			Rs.
3½ per cent. G. P. Notes No. S. P. C.	25A	Face Value .	4,000
,,	43A	,, .	500
,,	261A	,, .	1,000
,,	270A	,,	500
,,	125A	,, .	2,600
,,	390A	,, .	300
,,	397A	,, .	3,000
,,	428A	,, .	600
,,	452A	,, .	200
,,	356A	,, .	900
,,	369A	,, .	200
,,	618A	,, .	3,000
,,	18A	,, .	500
,,	68A	,, .	1,200
,,	57A	,, .	4,100
,,	61A	,, .	800
,,	32A	,, .	1,200
,,	85A	,, .	1,000
,,	184A	,, .	2,000
,,	10A	,, .	500
,,	122A	,, .	3,500
,,	189A	,, .	500
,,	199A	,, .	500
,,	238A	,, .	500
,,	290A	,, .	500
,,	4A	,, .	800
,,	24A	,, .	500
,,	311A	,, .	500
,,	321A	,, .	500
,,	25A	,, .	1,000
,,	40A	,, .	500
,,	62A	,, .	600
,,	74A	,, .	200
,,	328A	,, .	700
,,	159A	,,	700
			53,700

	Rs.	A.	P.
C. H. S. Teachers' Provident Fund	18,374	14	5
School Boys Special Funds	5,792	0	11
C. H. Girls' School Teachers' Provident Fund	8,402	6	9
C. H. Girls' School Special Fund	1,578	2	4
GRAND TOTAL .	87,847	8	5

RAM NARAIN MISRA,

Secretary,

Central Hindu School Board.

Perpetual Annuities.

STATEMENT No. 2.

Of the Amount of Perpetual Annuities granted by the Government of India and the Indian States.

(Annexture to Balance Sheet as at 31st of March 1936.)

Name of Donor.	Number and date of the letter of authority.	Capitalised value of the perpetual grants calculated at 3½ per cent.	Perpetual grants per annum.	Payment received during the year, 1935-36.		Remarks.
				Date.	Amount.	
		Rs. A. P.	Rs. A. P.		Rs. A. P.	
1. The Government of India	Government of India, Department of Education Letter No. 1017-Edn., dated 29th, May 1929.	85,71,428 9 3	3,00,000 0 0	7th March 1936	2,70,000 0 0	
2. His Highness Raj Rejeshwar Maharajadhiraj Shri Umaid Singh Ji Bahadur of Jodhpur.	Finance Member of Council, Letter No. 1287, dated the 7th February 1913, forwarding copy of proceedings of the Special meeting of Council of Regency, Marwar State, dated the 4th February, 1913.	6,85,714 4 6 6/7	24,000 0 0	3rd February 1936.	24,000 0 0	For a Chair of technology to be called Jodhpur Hardinge Chair and annuity accepted by the Government *vide* Education D. O. No. 40, dated 2nd February, 1916.
3. Major General His Highness Maharaja Sir Hari Singhji Bahadur, G.C.S.I., G.C.I.E. of Kashmir.	Chief Minister's office Letter No. 5602/G-37-11, dated the 14th October, 1912.	3,42,857 2 3 3/7	12,000 0 0	....	....	
4. Colonel H. H. Raj Rajeshwar Narendra Shrimoni Shri Maharajadhiraj Sir Ganga Singh Bahadur, G.C.S.I., G.C.I.E., LL.D. of Bikaner.	Office of the Home Member of Council of Bikaner State D. O. No. 250, dated the 25th September, 1913 forwarding the terms.	3,42,857 2 3 3/7	12,000 0 0	13th January 1936.	*12,000 0 0	
5. H. H. Raj Rana Sir Bhawani Singh Bahadur, K.C.S.I. of Jhalawar.	Foreign Member letter No. 67/1916, dated the 17th January, 1916.	28,571 6 10 2/7	1,000 0 0	....	....	
6. H. H. Sir Jagatjit Singh Bahadur, G.C.S.I. of Kapurthala.	H. H.'s letter, dated the 27th January, 1915, addressed to the Maharajah of Darbhanga, and letter No. 562, dated 15th May, 1923.	1,71,428 9 3	6,000 0 0	31st May 1936	3,000 0 0	
7. H. H. Farzand-i-Khas-Daulat-i-Englishia Mansur-ul-zaman Amir-ul-umra, Maharaja Dhiraj Rajeshwar Sri Maharaja-i-Rajgan Maharaja Bhupendra Singh Mahinder Bahadur, G.C.I.E. of Patiala (Punjab).	Farmani Sahi No. 38, dated 24th April 1918, forwarded with Foreign Secretary's letter No. 1969, dated 13th May, 1918.	6,85,714 4 6	24,000 0 0	..	..	
8. H. H. Sir Shree Ram Varma, G.C.I.E. of Cochin.	Diwan's letter C. No. P. 588/04/I. & M. D., dated 26th March, 1930.	1,71,428 9 0	6,000 0 0	17th October 1935.	6,000 0 0	
		1,10,00,000 0 0	3,85,000 0 0	....	3,15,000 0 0	
OTHER GRANTS :—						
9. His Highness Maharaja of Travancore .	....	..	10,000 0 0	6th June 1935	5,000 0 0	
10. His Highness Nawab Sahib of Rampur .	....	..	6,000 0 0	12th July 1935	3,000 0 0	
11. His Highness Maharaja Sahib of Tehri .	....	..	6,000 0 0	10th May 1935	6,000 0 0	
	Total .	1,10,00,000 0 0	4,07,000 0 0	..	3,29,000 0 0	

*Rs. 12,000 yearly less Rs. 4,200 earmarked for Scholarship.

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 3.

Advance.

Annexure to Balance Sheet as at 31st March 1936.

Serial No.	Names.	Purpose.	Opening Balance. Rs. A. P.	Advances during the year. Rs. A. P.	Total. Rs. A. P.	Refund by cash or adjustment. Rs. A. P.	Closing Balance on the 31st March, 1936. Rs. A. P.	Remarks.
1	Pt. Madan Mohan Malaviya, V. C. . .	Travelling . .	2,918 4 6	490 0 0	3,408 4 6	100 0 0	3,308 4 6	
2	Peoples Industrial Bank Ltd. (In Liq.) .	Deposit . .	599 7 9	..	599 7 9	..	599 7 9	
3	Principal, Central Hindu College .	Imprest . .	500 0 0	250 0 0	750 0 0	500 0 0	250 0 0	
4	Principal, C. A. King	Do. . .	..	7,947 11 9	7,947 11 9	7,247 11 9	700 0 0	
5	Supdt., Agriculture and Dairy Farm. .	Current expenses .	3,837 1 2	..	3,837 1 2	3,837 1 2	..	
6	Prof. N. P. Gandhi	Do. . .	3,768 2 4	1,801 11 9	9,169 14 1	1,746 8 6	7,423 5 7	
7	Librarian, B. H. U. . . .	Imprest . .	370 0 0	..	370 0 0	..	370 0 0	
8	Hony. Treasurer, B. H. U. . . .	Do. . . .	5,000 0 0	5,000 0 0	10,000 0 0	5,000 0 0	5,000 0 0	
9	Head Master, C. H. School . . .	Do. . . .	1,332 6 0	500 0 0	1,832 6 0	850 1 9	982 4 3	
10	Manager, Indian Press, Allahabad . .	Printing . .	486 0 0	..	486 0 0	..	486 0 0	
11	Messrs. Nand Kishore & Bros. . . .	Stationery and Books	—377 15 6	..	—377 15 6	378 5 3	—756 4 9	
12	Manager, Gyan Mandal Press . .	Printing . .	199 15 3	..	199 15 3	..	199 15 3	
13	Manager, Tara Printing Works. . .	Printing . .	—520 12 0	8,000 0 0	7,479 4 0	8,075 14 0	—596 10 0	
14	Messrs. M. K. Khanna & Co. . . .	Coal . . .	742 10 0	..	742 10 0	742 10 0	..	
15	Chief Medical Officer, B. H. U. . .	Apparatus . .	3,733 6 1	4,434 1 0	8,167 7 1	841 4 0	7,326 3 1	
16	Honorary Treasurer & Secretary Central Hindu College, Common Room.	Common Room Exp.	1,627 11 0	850 0 0	2,477 11 0	7,67 10 6	1,710 0 6	
17	The Registrar, B. H. U.	Current Expenses .	4,506 11 9	..	4,506 11 9	494 5 3	4,012 6 6	
18	Sardar Dogar Singh	Do. . .	1,425 10 3	1,774 11 0	3,200 5 3	1,199 3 9	2,001 1 6	
19	Dr. A. B. Misra, Zoology Dept. . .	Do. . .	1,929 2 3	71 12 0	2,300 14 3	515 5 0	1,785 9 3	
20	Messrs. Finance Syndicate . . .	Coal . . .	—0 2 8	0 2 8	..	..	..	
21	Messrs. Jharia Coal Co.	Do. . .	—0 3 3	0 3 3	..	..	..	

STATEMENT No. 3—*concld.*

Serial No.	Names.	Purpose.	Opening Balance.	Advances during the year.	Total.	Refund by cash or adjustment.	Closing Balance on the 31st March, 1936.	Remarks.
			Rs. A. P.	R. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
22	Prof. B. Dasannacharya	Apparatus . .	67 8 9	..	67 8 9	..	67 8 9	
23	India Specie Bank Ltd. (In Liquidation) .	..	456 6 7	..	456 6 7	456 6 7	..	
24	The Rajputana Punjab Bank Ltd. (Liquidation).	..	50 0 0	..	50 0 0	50 0 0	..	
25	Dr. N. N. Godbole	Lab. Exp. . .	417 3 0	1,048 8 3	1,465 11 3	1,085 5 6	380 5 9	
26	The Secretary, Hindi Publication Board .	Printing Books .	10,436 8 0	..	10,436 8 0	10,433 12 0	2 12 0	
27	Mr. V. A. Sundaram, Collection Committee	For Travelling .	1,935 15 0	920 0 0	2,855 15 0	..	2,855 15 0	
28	Kaviraj Pratap Singh	For Medicine . .	495 13 0	147 3 0	643 0 0	147 3 0	495 13 0	
29	Dr. S. S. Joshi, Chemistry Dept. . .	For Apparatus .	2,246 14 0	100 0 0	2,346 14 0	..	2,346 14 0	
30	Dr. Bhola Nath Singh	Do. . . .	716 11 9	539 11 0	1,256 6 0	175 5 6	1,081 0 6	
31	Scientific Engineering Co., Benares . .	For Furniture .	16,113 0 9	1,000 0 0	17,113 0 9	9 12 2	17,103 4 7	
32	University Stores	For Stationery .	21 9 0	..	21 9 9	..	21 9 9	
33	Scientific Instrument Co., Allahabad. .	..	—1,494 10 0	..	—1,494 10 0	..	—1,494 10 0	
34	Messrs. Biswa Nath Prasad & Sons, Benares	Servants Uniform .	500 0 0	..	500 0 0	500 0 0	..	
35	Principal, T. T. College	Current expenses .	1,817 4 6	530 0 0	2,347 4 6	2,028 13 9	318 6 9	
36	The estate of late Pt. Aditya Ram Bhattacharya.	Do. . .	..	1,500 0 0	1,500 0 0	1,500 0 0	..	
37	Mr. Deo Nandan Singh, Contractor . .	..	1,680 0 0	..	1,680 0 0	..	1,680 0 0	
38	Prof. Chandrabal, Secretary, C. H. C. Atheletic.	Current expenses .	510 5 3	676 2 0	1,186 7 3	511 8 9	674 14 6	
39	Principal, Women's College . . .	Do. . ..	1,026 5 9	591 12 3	1,618 2 0	549 4 3	1,068 13 9	
40	Secretary Estates Committee . .	Do. . .	541 1 0	1,493 4 11	2,034 5 11	1,106 12 8	927 9 3	
41	Head Mistress, C. H. C. Girls' School Officer-in-charge U. T. C.	Do. . .	150 0 0	875 0 0	1,025 0 0	150 0 0	875 0 0	
42	Secretary, D. A. V. College, Lahore . .	Court expenses .	1,000 0 0	..	1,000 0 0	..	1,000 0 0	
43	Messrs. U. P. Motor Service, Station Benares	Do. . .	..	2,568 12 9	2,568 12 9	2,568 12 0	..	
44	Agent, Imperial Bank, Benares . .	Deposit for share .	1,500 0 0	..	1,500 0 9	1,500 0 0	..	
45	Messrs. Education Supplying Co., Benares.	Stationery . .	..	6,000 0 0	6,000 0 0	7,167 13 0	—1,167 13 0	
46	Miscellaneous advances	..	10,923 15 0	10,472 15 8	21,396 14 8	10,927 1 2	10,469 13 6	
47	Secretary Dairy Farm	Current expenses .	665 0 0	500 0 0	1,165 0 0	418 5 3	746 10 9	
48	Chairman District Board, Benares . .	Tax	..	1,937 1 1	1,937 1 1	..	1,937 1 1	
	Total .	..	87,454 6 3	62,320 12 4	1,49.775 2 7	73,582 5 3	76,192 13 4	

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountant, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 4.

Of Investments of Provident Fund.

(Annexure to Balance Sheet as at 31st of March 1936.)

Particulars.	Amount invested in G. P. Notes and other securities.	Amount of interest realized during the year 1934-35.
Amount invested in G. P. Notes and other securities :—	Rs. A. P.	Rs. A. P.
(a) 5 per cent. U. P. Bonds of 1944	3,28,400 0 0	16,399 5 0
(b) 5½ per cent. Bonds of 1938-40	45,200 0 0	2,482 13 0
(c) 5 per cent. Loan of 1945-55	79,700 0 0	1,897 8 0
(d) 4½ per cent. Loan of 1955-60	1,00,000 0 0	4,494 4 0
(e) 4 per cent. Loan 1960-70	1,000 0 0	39 12 0
(f) 6½ per cent. Treasury Bonds, 1935 for Rs. 8,000 since redeemed	....	259 10 0
(g) 3½ Per cent G. P. Notes 1900-01	8,000 0 0	..
Total	5,62,300 0 0	25,573 4 0
Cash in hand for investment	1,51,661 9 7	
Total	7,13,961 9 7	25,573 4 0

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 4-A.

Abstract of the Provident Fund account of the B. H. U. for the year 1935-36.

Details of Receipts.	Receipt.		Details of Expenditure.	Payments.		Remarks.
	Govt. Security.	Cash.		Govt. Securities.	Cash.	
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.	
Opening Balance	5,20,600 0 0	1,23,504 8 4	1. Final Payment to employees . . .		9,514 14 9	
1. Sale of Securities		8,000 0 0	2. Loan to employees. . . .		29,024 0 0	
2. Subscription received from the employees .		39,714 8 0	3. Securities Redeemed 6½ per cent Treasury Bonds 1935.	8,000 0 0	..	
3. Contribution by the University . .		19,857 4 0	4. Discount on purchase of Securities . .		6,106 9 0	
4. Interest on Securities		25,573 4 0	5. Purchase of Securities		49,700 0 0	
5. Securities purchased	49,700 0 0		Closing balance	5,62,300 0 0	1,51,661 9 7	
6. Recoveries on Loan Account . . .		29,357 9 0				
Total .	5,70,300 0 0	2,46,007 1 4	Total .	5,70,300 0 0	2,46,007 1 4	

JAMNA DUTT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 5.

Account of Endowments for Scholarships, Prizes and Medals for the year 1935-36.

Serial No.	Names of Endowments.	Capital.	Balance on 1st April 1935.	Receipts during 1935-36.	Total.	Payments during 1935-36.	Balance.	Remarks.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	SPECIAL FUND SCHOLARSHIP AND PRIZES.							
	1. *University.*							
1	Swami Madhusudanand Saraswati Matar Shanker Vedant Prize (invested in G. P. Notes).	2,900 0 0	1,437 12 0	101 8 0	1,539 4 0	..	1,539 4 0	
2	(a) Birla Scholarships	..	—4,844 5 10	..	—4,844 5 10	..	—4,844 5 10	
	(b) Birla Other Scholarships	..	493 10 0	1,100 0 0	1,593 10 0	919 4 6	674 5 6	
3	Sonepur Estate Medal	..	619 14 2	78 8 9	698 6 11	..	698 6 11	
4	Kotumal Scholarships	..	—27 1 6	..	—27 1 6	..	—27 1 6	
5	Shanker Lakshmi Scholarship (invested in G. P. Notes)	25,800 0 0	9,817 0 9	2,658 8 0	12,475 8 9	985 12 3	11,489 12 6	
6	Pt. Aditya Ram Griffith Ramayan Scholarships (invested in G. P. Notes).	1,700 0 0	714 0 0	59 8 0	773 8 0	..	773 8 0	
7	Narayan Lal Bansi Lal Scholarships	..	—155 0 0	..	—155 0 0	..	—155 0 0	
7a	Do. to Mahabir Singh	..	50 0 0	..	50 0 0	..	50 0 0	
8	Akhauri Babu Prem Narain Annakshetra	..	—50 0 0	..	—50 0 0	..	—50 0 0	
9	D. G. Goswami Research Scholarship	..	25 0 0	..	25 0 0	..	25 0 0	
10	Prabhu Datt Shastry Scholarship	..	55 0 0	..	55 0 0	..	55 0 0	
11	A Lakshmipati Scholarship (invested in G. P. Notes)	100 0 0	24 15 0	4 6 0	29 5 0	..	29 5 0	
12	Madhoji & Co. Scholarships (invested in G. P. Notes)	500 0 0	208 5 11	22 6 0	230 11 11	..	230 11 11	
13	Sri Krishna Scholarship	..	367 0 0	..	367 0 0	70 0 0	297 0 0	
14	S. Kuppa Swami Vedant Scholarship	..	100 0 0	..	100 0 0	..	100 0 0	
15	The Narsingh Pershad Hari Pershad Buch Metaphysics Prize (invested in G. P. Notes).	6,000 0 0	4,366 7 9	209 12 0	4,576 3 9	..	4,576 3 9	
16	Chandu Lal Chhote Lal Mehta Prize (invested in G. P. Notes)	7,600 0 0	1,425 12 6	265 12 0	1,691 8 6	..	1,691 8 6	
17	Ratanchand Dalpatram Shah Scholarship (invested in shares of Companies).	10,500 0 0	2,147 4 9	735 0 0	2,882 4 9	640 0 0	2,242 4 9	
18	Radha Krishen Joshi	..	191 13 0	..	191 13 0	..	191 13 0	
19	The Chaturvedi Haribhajan Pershad Scholarship Trust Fund Kalpi (invested in G. P. Notes).	12,200 0 0	470 1 8	658 12 0	1,128 13 8	817 8 0	311 5 8	
	In cash	3,500 0 0	..	..	..	..	..	
20	Baboo Nandan Inder Attarwala Scholarship (invested in G. P. Notes).	10,300 0 0	222 0 0	360 2 0	582 2 0	175 0 0	407 2 0	
21	Hansraj Pragji Thackersay Education Fund Scholarships	..	..	..	..	..	..	
22	Murlidhar Kapoor, Technical Scholarship (cash)	7,346 0 0	359 6 0	215 4 0	574 10 0	196 0 0	378 10 0	
23	Rameshwar Choubey Scholarship (invested in Building and cash)	3,440 7 2	114 12 0	10 14 0	125 10 0	28 4 0	97 6 0	
24	United Provinces Zemindar's Association Scholarship	..	20 0 0	..	20 0 0	..	20 0 0	
25	Girishchandra Chaturvedi Scholarship	..	5 0 0	..	5 0 0	..	5 0 0	
26	Shanker Dayal Scholarship cash	150 0 0	4 1 0	4 8 0	8 9 0	..	8 9 0	
27	Shri Durga Devi Iswari Dutt Joshi Gita Trust. (In G. P. Notes)	1,000 0 0	..	..	..	..	..	
28	Depressed class Scholarships	..	230 0 0	230 0 0	230 0 0	235 0 0	—5 0 0	
	Total	93,036 7 2	18,162 13 2	6,714 12 9	24,877 9 11	4,066 12 9	20,810 13 2	

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STATEMENT No. 5.—*contd.*

Serial No.	Names of Endowments.	Capital.	Balance on 1st April 1935.	Receipts during 1935-36.	Total.	Payments during 1935-36.	Balance.	Remarks.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	2. *Colleges.* (*a*) SCHOLARSHIPS, PRIZES AND MEDALS GIVEN TO CENTRAL HINDU COLLEGE.							
1	Pt. Dinanath Kak Scholarship (invested in G. P. Notes)	2,000 0 0	1,330 0 0	70 0 0	1,400 0 0	..	1,400 0 0	
2	The Annie Besant Prize (invested in G. P. Notes)	500 0 0	337 10 3	17 8 0	355 2 3	..	355 2 3	
3	The Mansukhram Surajram Tripathi Scholarship (invested in G. P. Notes).	850 0 0	570 5 3	29 4 0	599 9 3	..	599 9 3	
4	The Bhawani Shanker Prize (invested in G. P. Notes)	900 0 0	508 0 0	31 0 0	539 0 0	..	539 0 0	
5	The Ganga Shanker Sukhchand Scholarship (invested in G. P. Notes).	1,000 0 0	150 5 6	35 0 0	185 5 6	35 0 0	150 5 6	
6	J. S. Gadgil Scholarship (invested in G. P. Notes)	7,000 0 0	939 11 0	244 12 0	1,184 7 0	146 0 0	1,038 7 0	
7	Munshi Beharilal Prize (invested in G. P. Notes)	650 0 0	377 0 9	22 12 0	399 12 9	..	399 12 9	
8	Raja Uditnarain Rai Scholarship (invested in G. P. Notes)	2,000 0 0	471 3 0	70 0 0	541 3 0	5 0 0	536 3 0	
9	Shahpura State Scholarship	..	150 0 0	..	150 0 0	150 0 0	..	
10	Jugal Kishore Tandon Scholarship (invested in G. P. Notes)	1,000 0 0	175 0 0	35 0 0	210 0 0	..	210 0 0	
11	The Hari Sukh Prize (invested in G. P. Notes)	200 0 0	128 0 0	7 0 0	135 0 0	..	135 0 0	
12	Rai Gokulchand Bahadur Scholarship (Invested in G. P. Notes)	2,000 0 0	126 8 0	70 0 0	196 8 0	40 0 0	156 8 0	
13	Thakur Kokersay Jadavji Sanatandharma Scholarship (invested in G. P. Notes).	1,000 0 0	273 9 8	35 0 0	308 9 8	3 8 0	305 1 8	
14	Pt. Hari Kishen Scholarship (invested in G. P. Notes)	10,000 0 0	1,011 4 2	349 10 0	1,360 14 2	300 0 0	1,060 14 2	
15	Kuar Dakshineshwar Malia Memorial Scholarship (invested in G. P. Notes.)	5,000 0 0	444 10 3	174 13 0	619 7 3	145 0 0	474 7 3	
16	The Uttama Scholarship	..	378 0 0	..	378 0 0	..	378 0 0	
17	A. T. Banerjee Scholarship (invested in G. P. Notes)	350 0 0	—10 4 0	12 4 0	2 0 0	..	2 0 0	
18	The Gunaria Prize (invested in G. P. Notes)	500 0 0	315 0 0	17 8 0	332 8 0	..	332 8 0	
19	Rai Bahadur Mata Pershad Medal and Prize (invested in G. P.. Notes.)	500 0 0	68 8 6	17 8 0	86 0 6	16 1 0	69 15 6	
20	Amarnath Trust Scholarship (remits Rs. 30 per mensem).	..	755 0 0	180 0 0	935 0 0	300 0 0	635 0 0	
21	Dr. Basudeva Sahai Medal (invested in G. P. Notes)	1,500 0 0	296 1 6	52 8 0	348 9 6	..	348 9 6	
22	Pt. Vishwanath Shastri Lote Prize (invested in G. P. Notes)	1,000 0 0	763 8 0	35 0 0	798 8 0	..	798 8 0	
23	Pt. Debi Pershad Agnihotri Memorial Prize (invested in G. P. Notes).	1,000 0 0	761 4 0	35 0 0	796 4 0	..	796 4 0	
24	Krishna Kumari Devi Scholarship	..	—59 0 0	..	—59 0 0	..	—59 0 0	
25	Devi Pershad Thakur Kiran Scholarship	..	90 0 0	..	90 0 0	..	90 0 0	
26	Bashudeva Scholarship	..	50 0 0	..	50 0 0	..	50 0 0	
27	Dr. P. C. Roy Scholarship	..	204 0 0	..	204 0 0	..	204 0 0	
28	Prof. N. C. Nag Scholarship	..	100 0 0	..	100 0 0	..	100 0 0	
29	Pt. Kanhaiyalal Scholarship (invested in G. P. Notes)	10,000 0 0	135 12 0	364 10 0	500 6 0	288 8 10	211 13 2	
30	The Bikaner Durbar Scholarship Capitalised Value of Rs. 4,200 grant.	1,20,000 0 0	—6,895 0 0	7,080 0 0	185 0 0	7,640 0 0	—7,455 0 0	
31	Jiwanlal Panna Lal Scholarship (invested in G. P. Notes)	10,000 0 0	1,004 10 0	349 10 0	1,354 4 0	140 0 0	1,214 4 0	
32	Rai Chandi Pershad Scholarship (invested in G. P. Notes)	6,000 0 0	659 6 0	209 12 0	869 2 0	200 7 6	668 10 6	
33	Gomati Bahu Scholarship (invested in War Bonds)	2,000 0 0	49 14 0	99 11 0	149 9 0	100 0 0	49 9 0	
34	Sir Aga Khan Scholarship (invested in G. P. Notes)	5,000 0 0	208 13 0	174 12 0	383 9 0	150 0 0	233 9 0	

35	Vohra Karuna Shanker Jetha Bhai Scholarship (invested in G. P. Notes).	2,100 0 0	226 6 5	115 4 0	341 10 5	120 0 0	221 10 5
36	Mr. P. B. Chantawani Scholarship	..	8 0 0	..	8 0 0	..	8 0 0
37	Pt. M. M. Malaviya Gold Medal (invested in G. P. Notes)	1,100 0 0	91 1 9	44 14 0	135 15 9	57 14 6	78 1 0
38	Kumar Singh Scholarship (invested in G. P. Notes)	5,800 0 0	1,555 10 0	202 12 0	1,758 6 0	115 0 0	1,643 6 0
39	Ranbir Singh Medal (invested in G. P. Notes)	1,000 0 0	57 10 0	35 0 0	92 10 0	38 11 0	53 15 0
40	Ranka Raj Scholarship	..	90 0 0	..	90 0 0	..	90 0 0
41	Government Scholarship for Ceramic students	..	665 15 10	424 0 3	1,190 0 1	524 0 3	665 15 10
42	Mysore Government Scholarship for Ceramic students	..	188 8 9	350 0 0	538 8 9	350 0 0	188 8 9
43	Jagmal Raja Scholarship	..	180 0 0	..	180 0 0	90 0 0	90 0 0
44	Wagle Memorial Gold Medal Prize Fund (invested in G. P. Notes).	2,800 0 0	134 15 0	125 14 0	260 13 0	94 0 6	166 12 6
45	R. B. Munshi Shiva Pershad Sahib of Etawah, Gold Medal (invested in G. P. Notes.)	1,500 0 0	—39 5 6	52 8 0	13 2 6	58 15 0	—45 15 6
46	Dr. Birbal Sahani Scholarship (invested in G. P. Notes)	500 0 0	39 15 0	19 14 0	159 13 0	..	159 13 0
47	Chowdhury Bishambhar Nath Misra, B. A., of Jaipur, Memorial Medal (invested in G. P. Notes.)	500 0 0	57 6 0	25 13 8	83 3 8	27 14 6	55 5 2
48	Ramchandra Mukerji Scholarship (invested in G. P. Notes)	13,400 0 0	2,162 0 3	468 8 0	2,630 8 3	..	2,630 8 3
49	Vice-Chancellor's Scholarship	..	170 0 0	..	170 0 0	..	170 0 0
50	A "Friend's" Donation for Scholarship	..	10 0 0	..	10 0 0	..	10 0 0
51	Pt. Harihar Pershad Dube Scholarship (invested in G. P. Notes)	5,100 0 0	308 7 7	178 5 0	486 12 7	162 0 0	324 12 7
52	Musmmat Basmato Koer Scholarship (invested in G. P. Notes)	17,000 0 0	934 14 0	594 4 0	1,529 2 0	600 0 0	929 2 0
53	Garhwal Kshattriya Scholarship	..	..	108 0 0	108 0 0	108 0 0	..
54	Kshattriya Mahasabha (Shahpur) Scholarship	..	..	..	..	..	..
55	Research Scholarship for Economics Department	..	540 0 0	..	540 0 0	..	540 0 0
56	Seth Thanmal Sigatia Scholarship (invested in G. P. Notes)	10,000 0 0	241 8 0	349 8 0	591 0 0	242 1 0	348 15 0
57	Maharaja Shri Ghanshyam Singhji Dhrangadhra Scholarship (invested in G. P. Notes).	15,000 0 0	98 8 0	524 4 0	622 12 0	450 0 0	172 12 0
58	Barwani State Scholarship	..	—90 0 0	..	—90 0 0	..	—90 0 0
59	Rajarshi State Scholarship (in house property)	40,000 0 0	—348 3 3	50 0 0	—298 3 3	356 2 3	—654 5 6
60	Babu Bhagwati Saran Singh Scholarship (invested in landed property.)	10,000 0 0	193 4 9	305 2 10	498 7 7	39 4 6	459 3 1
61	Batra Scholarship (in landed property)	6,000 0 0	178 0 0	30 0 0	208 0 0	..	208 0 0
62	K. P. Devasthala Prize (invested in G. P. Notes)	600 0 0	—12 8 7	23 4 0	10 11 5	..	10 11 5
	In Cash	82 1 0	..				
63	Sitab Devi Scholarship (Cash)	457 5 0	7 11 0	10 9 0	18 4 0	..	18 4 0
64	Silver Wedding Scholarship	..	..	55 8 0	55 8 0	15 0 0	40 8 0
65	Jalalpur Kalyan Scholarship	..	140 0 0	1,410 0 0	1,550 0 0	1,370 0 0	180 0 0
66	R. B. Th. Jagannath Singh. of Moradabad Trust) Scholarship	..	..	120 0 0	120 0 0	..	120 0 0
67	L. Nathua Scholarship	..	—5 0 0	35 0 0	30 0 0	5 0 0	25 0 0
68	Government Scholarship (for Mr. Bamdeo Bharthwal)	..	30 0 0	360 0 0	390 0 0	390 0 0	..
69	Jai Dayal Dalmia's Mother Scholarship	..	..	8,000 0 0	8,000 0 0	5,440 10 3	2,559 5 9
70	Rajgarh State Scholarship	..	..	192 0 0	192 0 0	192 0 0	..
71	Harijan Sewak Sangh Do.	..	..	545 0 0	545 0 0	525 0 0	20 0 0
72	Kotah State Do.	..	..	93 12 0	93 12 0	93 12 0	..
73	Gonda District Board Do.	..	..	80 0 0	80 0 0	60 0 0	20 0 0
74	C. B. Trust Scholarship	..	..	310 0 0	310 0 0	310 0 0	..
75	Sir William Diving Scholarship	..	..	56 0 0	56 0 0	64 0 0	—8 0 0
76	Banda Dist. Board Do.	..	..	28 0 0	28 0 0	28 0 0	..
77	The Chief of Ichalkaranji Do. Cash	10,000 0 0	..	250 0 0	250 0 0	225 0 0	25 0 0
78	D. B. Desai Scholarship. Cash	1,000 0 0	..	17 8 0	17 8 0	..	17 8 0
79	Akhil Bharat Marwari Jatiya Kosha Scholarship, Bombay	..	..	179 0 0	179 0 0	179 0 0	..
80	Balrampur State Scholarship	..	..	585 0 0	585 0 0	540 0 0	45 0 0
81	Berar Province Harijan Sewak Sangh Scholarship	..	..	10 0 0	10 0 0	..	10 0 0
82	K. O. S. S. Bhusawal Do.	..	..	4 14 0	4 14 0	..	4 14 0
	Total 2 (a)	3,35,889 6 0	13,783 9 10	26,289 4 9	40,072 14 7	22,530 15 1	17,541 15 6

STATEMENT No. 5—*contd.*

Serial No.	Names of Endowments.	Capital.	Balance on 1st April 1935.	Receipts during 1935-36.	Total.	Payments during 1935-36.	Balance.	Remarks.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	2 (*b*)							
	SCHOLARSHIPS AND PRIZES FOR STUDENTS OF THE COLLEGE OF ORIENTAL LEARNING AND AYURVEDA.							
1	Mahant Satish Chandra Giri Scholarship (charges upon landed properties.)	1,00,000 0 0	1,807 6 10	..	1,807 6 10	..	1,807 6 10	
2	Jagannath Das Bajoria Fund (Remits Rs. 1,500 p. a.)	..	650 13 9	1,500 0 0	2,150 13 9	1,547 12 0	603 1 9	
3	Vaidya Thakur Datta Sharma Scholarship (invested in G. P. Notes).	4,500 0 0	428 8 0	134 12 0	563 4 0	108 0 0	455 4 0	
4	Seth Asanand Pokhardas Bidani Scholarship (invested in G. P. Notes).	3,400 0 0	342 10 0	118 14 0	461 8 0	100 0 0	361 8 0	
5	Shastrartha Prize	..	—22 11 0	..	—22 11 0	..	—22 11 0	
6	Seth Jugal Kishore Birla for winter clothing to students	..	60 0 0	..	60 0 0	..	60 0 0	
7	Pt. Govind Ram Scholarship Cash	1,300 0 0	128 10 0	61 12 0	190 6 0	57 4 0	133 2 0	
8	Ramakashi Prize (Invested in G. P. Notes).	500 0	32 6 0	25 13 8	58 3 8	22 0 0	36 3 8	
9	Dwarka Das Bhai Scholarship	..	28 0 0	..	28 0 0	..	28 0 0	
10	Mahabir Pershad Dwivedi Scholarship (Invested in G. P. Notes)	6,400 0 0	253 5 0	223 12 0	477 1 0	195 0 0	282 1 0	
11	Seth Net Ram Nand Ram Sanskrit Scholarship (Invested in G. P. Notes).	7,200 0 0	663 2 0	251 12 0	914 14 0	188 0 0	726 14 0	
12	Sultanpur District Board Scholarship	..	..	120 0 0	120 0 0	120 0 0	..	
13	Kaviraj Brijmohan Ray Medal (Invested in G. P. Notes)	1,500 0 0	126 12 0	59 14 0	186 10 0	58 3 6	128 6 6	
14	Basti District Board School	..	..	17 0 0	17 0 0	17 0 0	..	
15	Pt. Yognadutta Bholladutta Scholarship (Invested in landed Properties).	30,000 0 0	224 7 7	577 4 0	801 11 7	840 0 0	—38 4 5	
16	Dr. Chandra Dutt Pandey Scholarship (Invested in G. P. Notes)	2,000 0 0	259 14 0	99 14 0	359 12 0	90 0 0	269 12 0	
17	Pt. Banwari Lal Gaur and Mahadevi Scholarships (Invested in G. P. Notes).	5,100 0 0	—66 9 0	254 11 0	188 2 0	243 5 0	—55 3 0	
18	Bhaiyalal Pannalal Scholarship	..	38 0 0	..	38 0 0	..	38 0 0	
19	Patiala State Scholarship	..	..	20 0 0	20 0 0	..	20 0 0	
20	Tulsiram Pathak Scholarship (Invested in G. P. Notes)	8,500 0 0	686 15 0	297 4 0	984 3 0	191 4 0	792 15 0	
21	Lalta Persad Scholarship (Invested in G. P. Notes)	1,400 0 0	..					
	Cash	100 0 0	98 4 0	53 12 0	152 0 0	55 4 0	96 12 0	
22	Sanskrit Debate Prize (cash)	600 0 0	—0 10 5	18 0 0	17 5 7	25 0 0	—7 10 5	
23	Rai Bareilly Scholarship	..	..	8 0 0	8 0 0	..	8 0 0	
24	C. P. Government Scholarship	..	..	160 0 0	160 0 0	160 0 0	..	
25	Narayan Chhatravritti (cash)	2,000 0 0	..	97 8 0	97 8 0	8 12 7	88 11 5	
26	Pt. Lachhami Ram Vaidya Scholarship (cash)	2,000 0 0	..	15 0 0	15 0 0	..	15 0 0	
	Total 2 (*b*)	1,76,500 0 0	5,739 3 9	4,114 14 8	9,854 2 5	4,026 13 1	5,827 5 4	
	2 (*c*)							
1	Government Scholarships given to the students of T. T. College	..	166 0 0	4,400 0 0	4,566 0 0	4,400 0 0	166 0 0	
	Total 2 (*c*)	..	166 0 0	4,400 0 0	4,566 0 0	4,400 0 0	166 0 0	

	2 (d) Scholarships, Prizes and Medals for the students of the Engineering College and Mining and Metallurgy.						
1	Akhauri Babu Prem Narayan Scholarship (Invested in landed properties.)	10,000 0 0	5,682 9 2	604 11 10	6,287 5 0	225 0 0	6,062 5 0
2	Lala Ratan Chand Khannah Scholarship (Invested in G. P. Notes.)	5,000 0 0	—346 4 0	224 12 0	—121 8 0	..	—121 8 0
3	(1) Babu Bholanath Barua Scholarship (Invested in House property included in general fund). (2) Prince of Wales Gold Medal	..	3,755 12 3	1,000 0 0	4,755 12 3	500 0 0 93 10 6	4,162 1 9
4	Government Scholarships	..	..	250 0 0	250 0 0	..	250 0 0
5	Patiala Government Scholarships	..	..	70 0 0	70 0 0	70 0 0	..
6	Madras Government Scholarships	..	..	135 0 0	135 0 0	119 0 0	16 0 0
7	C. P. Government Scholarships	..	..	280 0 0	280 0 0	245 0 0	35 0 0
	Total 2 (d) . .	15,000 0 0	9,092 1 5	2,564 7 10	11,656 9 3	1,252 10 6	10,403 14 9
	2 (e) For Women College.						
1	The Mrs. Mohana Bahai Lal Bhai Dalpat Bhai Scholarship (Invested in G. P. Notes).	3,800 0 0	683 2 0	132 14 0	816 0 0	121 8 0	694 8 0
2	Manorma Medal (Invested in G. P. Notes) . . . . Cash	1,500 0 0 200 0 0	173 14 7	76 13 0	250 11 7	67 7 0	183 4 7
3	Mahadevi Birla Scholarship (Invested in Shares of Ltd. Companies.)	50,000 0 0	—2,348 6 6	..	—2,348 6 6	3,148 0 0	—5,496 6 6
4	Gulab Devi Birla Scholarship (Invested in G. P. Notes) . .	38,200 0 0	509 4 5	1,335 6 0	1,844 10 5	1,315 0 0	529 10 5
5	Ishwari Devi Memorial Scholarship (Invested in G. P. Notes) .	4,000 0 0	—379 15 3	199 12 0	—180 3 3	180 0 0	—360 3 3
6	Bhakt Narayan Scholarships (Cash)	1,000 0 0	..	17 8 0	17 8 0	..	17 8 0
	Total 2 (e) . .	98,700 0 0	11,362 0 9	1,762 5 0	400 4 3	4,831 15 0	—4,431 10 9

STATEMENT No. 5—*contd.*

Serial No.	Names of Endowments.	Capital.	Balance on 1st April 1935.	Receipts during 1935-36.	Total.	Payments during 1935-36.	Balance.	Remarks.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	3 SCHOOLS.							
	(*a*) Scholarships given to the students of the Central Hindu School.							
1	Durga Janki Scholarship	..	34 0 0	..	34 0 0	..	34 0 0	
2	Ram Chandra and Shyam Sunder Scholarship (Invested in G. P. Notes).	920 0 0	56 0 6	32 3 0	88 3 6	31 14 0	56 5 6	
3	Sada Shiva prize (Invested in G. P. Notes)	100 0 0	..	3 8 0	3 8 0	3 8 0	..	
4	Girjanath Sheopayan Scholarship (Invested in G. P. Notes)	1,200 0 0	26 8 0	42 0 0	68 8 0	41 14 0	26 10 0	
5	Nathu Bhai Kirpa Ram Prize (Invested in G. P. Notes)	30 0 0	0 1 0	1 1 0	1 2 0	1 1 0	0 1 0	
6	The Parvati Prize (Invested in G. P. Notes)	50 0 0	..	1 12 0	1 12 0	1 12 0	..	
7	The Narain Dass Kalyan Dass Motiwala Prize (Invested in G. P. Notes).	200 0 0	..	7 0 0	7 0 0	7 0 0	..	
8	The Purshottam Sunderjizala Prize (Invested in G. P. Notes)	50 0 0	..	1 12 0	1 12 0	1 12 0	..	
9	The Gopal Krishna Commemoration Medal (Invested in G. P. Notes).	300 0 0	..	10 8 0	10 8 0	10 8 0	..	
10	N. Sankuni Warrior Prize (Invested in G. P. Notes).	100 0 0	..	3 8 0	3 8 0	3 8 0	..	
11	Pt. Bishambher Nath Dubey Scholarship (Invested in G. P. Notes).	400 0 0	22 12 6	14 0 0	36 12 6	13 12 0	23 0 6	
12	Annada Prasad Mazumdar Memorial Prize (Invested in G. P. Notes).	100 0 0	..	3 8 0	3 8 0	3 8 0	..	
13	Kamini Memorial Prize (Invested in G. P. Notes)	100 0 0	..	3 8 0	3 8 0	3 8 0	..	
14	The Hukamatrai Prize (Invested in G. P. Notes)	100 0 0	..	3 8 0	3 8 0	3 8 0	..	
15	Rai Pt. Krishna Narayan Gurtu Scholarship (remits Rs. 7 monthly).	..	—10 11 0	84 0 0	73 5 0	83 12 0	—10 7 0	
16	The Thirlwal Prize (Invested in G. P. Notes)	300 0 0	..	10 8 0	10 8 0	10 8 0	..	
17	Pt. Manoharlal Kichlu Scholarship (Invested in G. P. Notes)	1,700 0 0	54 13 0	59 8 0	114 5 0	58 12 0	55 9 0	
18	The Jugal Kishore Dharampatni Scholarship (Invested in G. P. Notes).	100 0 0	1 15 9	3 8 0	5 7 9	3 8 0	1 15 9	
19	The Shivadayal Scholarship (Invested in G. P. Notes)	1,000 0 0	17 1 3	35 0 0	52 1 3	35 0 0	17 1 3	
20	Durga Pershad Memorial Scholarship	..	—84 0 0	..	—84 0 0	..	—84 0 0	
21	Molil Bai Prize (Invested in G. P. Notes)	250 0 0	..	8 12 0	8 12 0	8 12 0	..	
22	Nandgri Krishna Prize (Invested in G. P. Notes)	500 0 0	—1 4 6	17 8 0	16 3 6	17 8 0	—1 4 6	
23	The Gajpati Rao Freeship (Invested in G. P. Notes)	500 0 0	17 10 0	17 8 0	35 2 0	17 8 0	17 10 0	
24	L. N. Sankhdhar Scholarship	..	—3 3 6	..	—3 3 6	..	—3 3 6	
25	Shivachand Kapoor Scholarship (in G. P. Notes)	1,000 0 0	9 11 10	50 0 0	59 11 10	50 0 0	9 11 10	
26	Pt. Chheda Lal Scholarship	..	—27 12 0	552 12 0	525 0 0	500 0 0	25 0 0	
27	J. N. Basu Scholarship (Invested in G. P. Notes)	1,300 0 0	31 0 0	45 8 0	76 8 0	45 0 0	31 8 0	
28	Ganesh Scholarship (Cash)	2,000 0 0	6 0 0	60 0 0	66 0 0	72 0 0	—6 0 0	
29	Mantoo Balak Prize (Invested in G. P. Notes)	100 0 0	..	4 12 0	4 12 0	5 0 0	—0 4 0	
	Total 3 (*a*)	12,400 0 0	82 10 10	1,077 0 0	1,159 10 10	1,034 5 0	125 5 10	

	3 (b)						
	GIVEN TO THE RANVIR SANSKRIT PATHSHALA.						
1	Native Official Charity Association, Port Blair Prize (Invested in G. P. Notes)	100 0 0	31 2 0	3 8 0	34 10 0	..	34 10 0
2	Besant Bhagwat Gita Prize (Invested in G. P. Notes)	100 0 0	33 2 0	3 8 0	36 10 0	..	36 10 0
3	Ratansey Scholarship (Invested in G. P. Notes)	5,000 0 0	3,153 6 0	174 14 0	3,328 4 0	..	3,328 4 0
4	Babu Keshav Dass Bhagwat Scholarship	..	38 4 0	..	38 4 0	..	38 4 0
	Total 3 (b)	5,200 0 0	3,255 14 0	181 14 0	3,437 12 0	..	3,437 12 0
	3 (c)						
	GIVEN TO C. H. GIRLS' SCHOOL.						
1	Vilasini Bai Gurjar Scholarship (Cash)	1,500 0 0	253 4 0	71 3 0	324 7 0	93 12 0	230 11 0
2	Shreemati Chhanni Suksena Medal and Prize (Invested in G. P. Notes)	200 0 0	39 8 6	19 0 0	58 8 6	21 0 0	37 8 6
3	In Cash	300 0 0					
4	Rani Birla Scholarships (Invested in G. P. Notes)	2,000 0 0	71 0 0	70 0 0	141 0 0	70 0 0	71 0 0
5	Shreemati Sona Devi Prize (Invested in G. P. Notes)	100 0 0	5 4 0	5 0 0	10 4 0	5 0 0	5 4 0
6	Raja Bahadur Braj Narayan Rai Scholarship (Cash)	1,000 0 0	—10 15 3	47 6 0	36 6 9	62 8 0	—26 1 3
7	Shrimati Anusuiya Devi Prize (Cash)	100 0 0	3 12 0	4 12 0	8 8 0	6 4 0	2 4 0
8	Shrimati Shyama Sunderi Devi Prize (Invested in G. P. Notes)	500 0 0	—34 4 2	24 15 0	—9 5 2	25 0 0	—34 5 2
9	Prithvi Nath Lakshmi Sahitya Prize (Invested in G. P. Notes)	100 0 0	..	1 10 0	1 10 0	..	1 10 0
	Total 3 (c)	5,800 0 0	327 9 1	243 14 0	571 7 1	283 8 0	287 15 1
	B. GENERAL FUND.						
	Scholarships paid from the General Fund of the B. H. University to the students of	..	..	..	..	..	..
	A. Central Hindu College	..	..	2,700 0 0	2,700 0 0	2,700 0 0	..
	B. Colleges of Oriental Learning and Theology	..	..	..	..	..	..
	1. Acharya Scholarships	..	..	1,544 0 0	1,544 0 0	1,544 0 0	..
	2. Shastri Scholarships	..	..	2,127 8 0	2,127 8 0	2,127 8 0	..
	3. Madhyama Scholarships	..	..	2,854 13 0	2,854 13 0	2,854 13 0	..
	C. School Board	..	..	..	..	..	..
	1. C. H. School	..	..	..	..	..	..
	2. R. S. Pathshala	..	..	2,472 0 0	2,472 0 0	2,472 0 0	..
	3. C. H. Girl's School	..	..	40 0 0	40 0 0	40 0 0	..
	Total B. (1)	..	..	11,738 5 0	11,738 5 0	11,738 5 0	..
	Prizes and Medals awarded to the students of	..	..	..	..	..	..
	(a) C. H. College	..	..	76 14 3	76 14 3	76 14 3	..
	(b) C. H. Girl's School	..	..	..	..	..	..
	Total B. (2)	..	..	76 14 3	76 14 3	76 14 3	..
	Total B.	..	..	11,815 3 3	11,815 3 3	11,815 3 3	..

STATEMENT No. 5—*concld.*

Serial No.	Names of Endowments.	Capital.	Balance on 1st April 1935.	Receipts during 1935-36.	Total.	Payments during 1935-36.	Balance.	Remarks.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	A. SPECIAL FUND.							
	Endowed Scholarships Prizes and Medals given to—							
1	University	93,036 7 2	18,162 13 2	6,714 12 9	24,877 9 11	4,066 12 9	20,810 13 2	
2	Colleges—							
	(*a*) Central Hindu College	3,35,889 6 0	13,783 9 10	26,289 4 9	40,072 14 7	22,530 15 1	17,541 15 6	
	(*b*) Colleges of Oriental Learning and Ayurveda . . .	1,76,500 0 0	5,739 3 9	4,114 14 8	9,854 2 5	4,026 13 1	5,827 5 4	
	(*c*) Teachers' Training College	..	166 0 0	4,400 0 0	4,566 0 0	4,400 0 0	166 0 0	
	(*d*) Engineering College	15,000 0 0	9,092 1 5	2,564 7 10	11,656 9 3	1,252 10 6	10,403 14 9	
	(*e*) Women's College	98,700 0 0	—1,362 0 9	1,762 5 0	400 4 3	4,831 15 0	—4,431 10 9	
3	Schools—							
	(*a*) Central Hindu School	12,400 0 0	82 10 10	1,077 0 0	1,159 10 10	1,034 5 0	125 5 10	
	(*b*) Ranbir Sanskrit Pathshala	5,200 0 0	3,255 14 0	181 14 0	3,437 12 0	..	3,437 12 0	
	(*c*) Central Hindu Girl's School	5,800 0 0	327 9 1	243 14 0	571 7 1	283 8 0	287 15 1	
	Total (A) .	7,42,525 13 2	49,247 13 4	47,348 9 0	96,596 6 4	42,426 15 5	54,169 6 11	
	B. GENERAL FUND.							
	Scholarships, Prizes, Medals given from General Fund of the B. H. University			11,815 3 3	11,815 3 3	11,815 3 3	..	
	Total (B) .	..		11,815 3 3	11,815 3 3	11,815 3 3		
	GRAND TOTAL .	7,42,525 13 2	49,247 13 4	59,163 12 3	1,08,411 9 7	54,242 2 8	54,169 6 11	

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 6.

Showing Endowments for Chairs at the Benares Hindu University.

(Annexture to Balance Sheet as at 31st of March 1936.)

Details.	Capitalised value or face value in case of G. P. Notes.	Balance on 1st April 1935.	Receipts from 1st April, 1935 to 31st March, 1936.	Total.	Amount spent during the year 1935-36.	Balance.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1. "Manindra Chandra Nandy Chair for Ancient Indian History and Culture" endowed by the late Hon'ble Maharaja Sir Manindra Chandra Nandy Bahadur, K.C.I.E., of Kassim Bazar	1,72,000 0 0	15,899 3 9	6,012 4 0	21,911 7 9	5,624 0 0	16,287 7 9
2. "Motichand Chair of Chemical Technology" endowed by Hon'ble Raja Sir Motichand, Kt., C.I.E., of Benares .	1,18,200 0 0	1,637 12 0	4,131 8 0	5,769 4 0	2,664 12 0	3,104 8 0
3. "Perpetual annuity of Rs. 24,000 for 2 special Chairs of Electrical and Mechanical Engineering" granted by H. H. Farzand-i-Khas Daulat-i-Englishia Mansur-ul-Zaman Amir-ul-umra, Maharajadhiraj Rajeshwar Sri Maharaja Rajgan Maharajah Bhupendra Singh Mahindra Bahadur, G.C.I.E., of Patiala (capitalised at 3½ of *i.e.* 28·57143 times)	6,85,714 4 6	..	..	..	..	..
4. Sri Swetamber Jain Conference Chair for Jain Philosophy and Logic	52,000 0 0	1,268 14 0	1,817 8 0	3,086 6 0	2,070 0 0	1,016 6 0
Total .	10,27,914 4 6	18,805 13 9	11,961 4 0	30,767 1 9	10,358 12 0	20,408 5 9

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS.
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 7.

Abstract showing distribution of donations.

Serial No.	Particulars.	Amount promised up to 31st March, 1936.	Amount paid up to 31st March, 1935.	Amount paid during the year ending 31st March, 1936.	Total amount paid up to 31st March, 1936.	Balance outstanding on 31st March, 1936.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1	Permanent Reserve Fund	37,20,054 0 0	37,20,054 0 0	..	37,20,054 0 0	..
2	Special Chairs	3,42,200 0 0	3,42,200 0 0	..	3,42,200 0 0	..
3	Scholarships and prizes	6,22,525 13 2	6,04,372 0 2	18,153 13 0	6,22,525 13 2	..
4	Buildings and Special objects	31,71,492 11 5	30,98,257 7 11	73,235 3 6	31,71,492 11 5	..
5	Women College Hostel	2,91,000 0 0	2,91,000 0 0	..	2,91,000 0 0	..
6	General	99,64,594 6 9	68,57,614 9 10	1,56,960 1 6	70,14,574 11 4	29,50,019 11 5
	Total	1,81,11,866 15 4	1,49,13,498 1 11	2,48,349 2 0	1,51,61,847 3 11	29,50,019 11 5

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 7—*contd.*

Statement showing the total amount of Donations promised and paid to the Benares Hindu University up to 31st March, 1936.

Serial No.	District or Station.	Amount promised up to 31st March, 1936.			Amount paid up to 31st March, 1935.			Amount paid during the year ending 31st March, 1936.			Total amount paid up to 31st March, 1936.			Balance due up to 31st March, 1936.		
		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
1	Agra	65,712	13	7	19,691	7	5	564	0	0	20,255	7	5	45,457	6	2
2	Ajmere	45,238	1	3	20,928	7	3	15	0	0	20,943	7	3	24,294	10	0
3	Aligarh	14,420	6	0	12,914	6	0	760	0	0	13,674	6	0	746	0	0
4	Allahabad	5,18,492	14	10½	3,93,361	15	1½	330	13	0	3,93,362	12	1½	1,24,800	2	9
5	Alwar	2,86,300	0	0	2,02,850	0	0	500	0	0	2,03,350	0	0	82,950	0	0
6	Ambala	19,201	8	0	4,821	8	0	..			4,821	8	0	14,380	0	0
7	Amritsar	73,479	14	0	36,584	14	9	..			36,584	14	9	36,894	15	3
8	Amroha	7,015	3	6	3,025	4	6	..			3,025	4	6	3,989	15	0
9	Azamgarh	4,837	0	0	4,319	4	3	507	0	0	4,826	4	3	10	11	9
10	Baharaich	35,311	4	0	26,412	12	0	..			26,412	12	0	8,898	8	0
11	Ballia	1,748	0	6	1,637	0	6	11	0	0	1,648	0	6	100	0	0
12	Bankheri	21	0	0	21	0	0	..			21	0	0	..		
13	Banda	84	0	0	82	0	0	2	0	0	84	0	0	..		
14	Bankipur and Patna	55,141	2	3	28,509	2	6	11	0	0	28,520	2	6	26,620	15	9
15	Barabanki	4,544	15	2	4,448	15	2	96	0	0	4,544	15	2	..		
16	Baragaon	85	7	0	85	7	0	..			85	7	0	..		
17	Bareilly	1,01,799	14	9	54,092	1	9	508	8	0	54,600	9	9	47,199	5	0
18	Baroda	3,07,596	0	0	3,07,537	0	0	9	0	0	3,07,546	0	0	50	0	0
19	Basti	1,036	14	0	1,036	14	0	..			1,036	14	0	..		
20	Benares	2,62,293	3	5	2,13,457	9	2	10,308	15	0	2,23,766	8	2	38,526	11	3
21	Bhagalpur	2,20,020	7	4½	1,47,003	12	4½	..			1,47,003	12	4½	73,016	11	0
22	Bijnor	1,863	2	0	1,862	2	0	1	0	0	1,863	2	0	..		
23	Bikaner	3,24,033	0	0	2,72,213	0	0	3	0	0	2,72,216	0	0	51,817	0	0
24	Bilaspur	1,643	0	0	1,593	0	0	50	0	0	1,643	0	0	..		
25	Bombay	35,89,962	4	7	27,46,314	13	1	4,180	0	0	27,50,494	13	1	8,39,467	7	6
26	Badaun	5,694	12	0	1,896	12	0	43	0	0	1,939	12	0	3,755	0	0
27	Bulandshahar	34,621	6	0	33,555	6	0	1,066	0	0	34,621	6	0	..		
28	Burma	5,397	5	0	5,247	5	0	..			5,247	5	0	150	0	0
29	Calcutta	20,42,496	5	8	18,05,436	15	9	57,116	10	8	18,62,553	0	5	1,79,943	5	3
30	Cawnpore	1,32,867	10	2	68,835	5	2	32	0	0	68,867	5	2	64,000	5	0
31	Chapra	19,004	5	9	1,786	12	9	..			1,786	12	9	17,217	9	0
32	Chandausi	10,528	0	0	6,427	0	0	..			6,427	0	0	4,101	0	0
33	Darbhanga	5,50,225	5	0	5,39,299	7	0	1	0	0	5,39,300	7	0	10,924	14	0
34	Dattia	10,000	0	0	2,000	0	0	..			2,000	0	0	8,000	0	0
35	Dehra Dun	30,446	9	0	24,274	9	0	..			24,274	9	0	6,172	0	0
36	Delhi	20,445	11	6	8,136	11	6	10,058	0	0	18,194	11	6	2,251	0	0
37	Dholepur	1,05,000	0	0	1,00,000	0	0	..			1,00,000	0	0	5,000	0	0
38	Dongarpur	12,201	0	0	10,201	0	0	..			10,201	0	0	2,000	0	0

STATEMENT No. 7—*concld.*

Serial No.	District or Station.	Amount promised up to 31st March, 1936. Rs. A. P.	Amount paid up to 31st March, 1935. Rs. A. P.	Amount paid during the year ending 31st March, 1936. Rs. A. P.	Total amount paid up to 31st March, 1936. Rs. A. P.	Balance due up to 31st March, 1936. Rs. A. P.
39	Etawah	1,19,119 1 0	94,735 13 0	502 0 0	95,237 13 0	23,881 4 0
40	Fatehgarh	1,020 8 0	1,018 8 0	2 0 0	1,020 8 0	..
41	Fyzabad	1,07,916 13 6	51,127 11 9	2 0 0	51,129 11 9	56,787 1 9
42	Gharhwal	235 0 0	235 0 0	..	235 0 0	..
43	Gwalior	6,53,028 4 1	5,36,380 0 0	93,348 4 1	9,29,728 4 1	23,300 0 0
44	Gaya	24,053 0 0	12,215 0 0	..	12,215 0 0	11,838 0 0
45	Gazipur	115 0 0	115 0 0	..	115 0 0	..
46	Gidhaur	15,000 0 0	15,000 0 0	..	15,000 0 0	..
47	Gonda	1,38,681 5 0	1,28,199 5 0	..	128,199 5 0	10,482 0 0
48	Gorakhpur	70,990 8 3	41,155 6 3	1,610 0 0	42,765 6 3	28,225 2 0
49	Gurdaspur	235 0 0	235 0 0	..	235 0 0	..
50	Guzerat	126 0 0	86 0 0	..	86 0 0	40 0 0
51	Hamirpur	373 7 0	368 7 0	..	368 7 0	5 0 0
52	Hardoi	16,267 0 0	492 0 0	10 0 0	502 0 0	15,765 0 0
53	Hathras	6,200 0 0	6,200 0 0	..	6,200 0 0	..
54	Indore	5,65,272 6 0	5,12,933 12 0	14 0 0	5,12,947 12 0	52,324 10 0
55	Jaipur	5,39,767 0 0	5,11,710 0 0	3,007 0 0	5,14,717 0 0	25,050 0 0
56	Jaunpur	12,485 8 0	4,238 0 0	..	4,238 0 0	8,247 8 0
57	Jhansi	301 0 0	286 0 0	15 0 0	301 0 0	..
58	Jodhpur	7,18,735 9 9	6,41,770 9 3	150 8 0	6,41,921 1 3	76,814 8 6
59	Jubbulpore	5,167 8 0	4,085 0 0	..	4,085 0 0	1,082 8 0
60	Kalka	53 0 0	53 0 0	..	53 0 0	..
61	Kanauj	1,275 0 0	..	..	..	1,275 0 0
62	Kapurthala	4,425 4 0	4,225 4 0	..	4,225 4 0	200 0 0
63	Kashmir	32,689 13 0	6,480 3 0	1 0 0	6,481 3 0	26,208 10 0
64	Kheri	57,937 5 3	39,248 1 3	22 0 0	39,270 1 3	18,667 4 0
65	Khurja	16,554 11 0	15,469 1 0	..	15,469 1 0	1,085 10 0
66	Kishangarh	50,500 0 0	40,000 0 0	500 0 0	40,500 0 0	10,000 0 0
67	Kotah	3,53,906 3 3	2,59,726 5 9	..	2,59,726 5 9	94,179 13 6
68	Lahore	2,20,258 14 0	1,77,643 5 8	2 0 0	1,77,645 5 8	42,613 8 4
69	Lucknow	1,95,218 7 0	1,33,818 9 2	510 0 0	1,34,328 9 2	60,889 13 10
70	Madras	86,675 13 0	32,387 1 0	2 0 0	32,389 1 0	54,286 12 0
71	Malda	3,750 0 0	824 0 0	..	824 0 0	2,926 0 0
72	Meerut	1,33,097 4 9	57,082 12 6	8 0 0	57,090 12 6	76,006 8 3
73	Mirzapur	66,423 8 3	53,961 8 3	9 0 0	53,970 8 3	12,453 0 0
74	Moradabad	1,16,570 12 7	72,261 6 7	500 0 0	72,761 6 7	43,809 6 0
75	Muzaffernagar	29,667 4 0	15,914 4 0	15 0 0	15,929 4 0	13,738 0 0
76	Muzafferpur	64,522 15 6	9,398 10 2	1 0 0	9,393 10 2	55,123 5 4
77	Mysore	2,60,000 0 0	2,60,000 0 0	..	2,60,000 0 0	..
78	Nabha	1,00,000 0 0	1,00,000 0 0	..	1,00,000 0 0	..
79	Nahan	3,742 14 3	1,029 14 0	200 0 0	1,229 14 0	2,513 0 3
80	Nainital	48,988 0 9	9,964 14 0	..	9,964 14 0	39,023 2 9
81	Nagpur	1,058 0 0	1,058 0 0	..	1,058 0 0	..
82	Patiala	5,02,039 0 0	5,02,039 0 0	..	5,02,039 0 0	..
83	Pratabgarh	3,200 0 0	1,175 0 0	1,025 0 0	2,200 0 0	1,000 0 0

84	Rai-Bareilly	2,32,015 7 3	57,126 10 0	8 0 0	57,134 10 0	1,74,880 13 3
85	Rawalpindi	13,400 0 0	2,629 0 0	..	2,629 0 0	10,771 0 0
86	Saharanpur	27,003 0 6	17,867 0 6	11 0 0	17,878 0 6	9,125 0 0
87	Sahwal	225 0 0	225 0 0	..	225 0 0	..
88	Saugor	9,512 0 0	5,977 11 6	..	5,977 11 6	3,534 4 6
89	Shahjahanpur	14,205 8 0	2,050 8 0	..	2,050 8 0	12,155 0 0
90	Sikandarabad	3,875 10 0	3,276 7 0	..	3,276 7 0	599 3 0
91	Simla	1,37,909 0 0	1,26,909 0 0	..	1,26,909 0 0	11,000 0 0
92	Sitapur	1,78,686 10 2	1,38,797 7 8	..	1,38,797 7 8	39,889 2 6
93	Sultanpur	5,231 5 0	5,011 5 0	5 0 0	5,016 5 0	215 0 0
94	Surat	1,305 0 0	1,005 0 0	..	1,005 0 0	300 0 0
95	Udaipur	1,51,860 0 0	1,51,357 0 0	503 0 0	1,51,860 0 0	..
96	Unao	92,907 4 6	23,178 5 6	1 0 0	23,179 5 6	69,727 15 0
97	Miscellaneous	11,75,277 2 5	11,09,839 13 2	60,192 1 3	11,70,031 14 5	5,245 4 0
98	Temporary Grant from Government of India	18,00,000 0 0	18,00,000 0 0	..	18,00,000 0 0	..
	Total	1,81,11,866 15 4	1,49,13,498 1 11	2,48,349 2 0	1,51,61,847 3 11	29,50,019 11 5

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JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 8.

I.—*The Chaturvedi Hari Bhajan Prasad Scholarship Trust Fund Kalpi, Account.*

RECEIPTS. PAYMENTS.

Particulars.	Amount.	Particulars.	Amount.
	Rs. A. P.		Rs. A. P.
Interest realised on the securities of the Endowment Fund of Rs. 15,700 up to 31st March, 1935.	5,668 0 5	(A) Maintenance allowance paid to — (*i*) Shrimati Raj Dulari Devi, and (*ii*) Shrimati Sushila Devi up to 31st March, 1935.	3,912 8 0
As per last B./S. since added.	658 12 0	Do. during 1935-36	500 8 0
		(B) Scholarships paid up to 31st March, 1935. As per last B/S. 1,285-6-9. Do. during 1935-36 . . 317 0 0	1,602 6 9
			6,015 6 9
		Balance .	311 5 8
Total .	6,326 12 5	Total .	6,326 12 5

II.—*Sah Brindaban Das Trust Fund Account.*

RECEIPTS. PAYMENTS.

Particulars.	Amount.	Particulars.	Amount.
	Rs. A. P.		Rs. A. P.
Income received from the Estate of Sah Brindaban Das, Lucknow, up to 31st March, 1935.	22,441 4 8	Share to Harish Chandra High School, Benares as per last B./S.	3,748 5 1
Do. during 1935-36	3,265 0 6	Do. during 1935-36	425 0 0
		Share to Benares Hindu University . .	6,563 15 5
		Expenses of the Estate of Sah Brindaban Das up to 31st March, 1935.	9,916 5 1
		Do. during 1935-36	2,354 12 0
		Balance .	2,697 15 7
Total .	25,706 5 2	Total .	25,706 5 2

III.—*Pandit Aditya Ram Bhattacharya Trust Fund. From 27th February 1922 to 31st March 1936.*

RECEIPTS. PAYMENTS

Particulars.	Amount.	Particulars.	Amounts.
	Rs. A. P.		Rs. A. P.
As per last B/S.		As per last B/S.	
Balance of current account with the Imperial Bank of India, Allahabad.	84 7 1	Cost of 5½ per cent. Loan of 1938/40 purchased by the Bank.	37,700 0 0
Proceeds of Fixed Deposit . . .	38,580 0 0	Cost of 5 per cent. U. P. Loan . .	9,000 0 0
Interest realised up to 31st March, 1935 as per last B./S. 27,716-4-2 Since added . . . 2,517-0-0.	30,233 4 2	Probate and transfer of shares and other expenses.	2,563 14 9
Dividends from Railway Companies as per last B./S. 3,440-9-11 Since added . . . 1,522-9-8.	4,963 3 7	Cost of Cheque and pass book . .	2 12 0
		Refund of Interest to Babu Satya Vrata Bhattacharya.	152 0 0
Pension order as per last B./S. . .	249 11 0	Subscription to Shiva Shanker Pathshala up to 31st March, 1935.	22,152 0 7
Caution money from Library, Allahabad .	16 0 0	Do. during 1935-36	3,100 0 0
Subscription from Babu Satya Vrata Bhattacharya for Pathshala.	554 1 0	Postage and Registration charges . .	3 11 6
Discount on the Purchase of securities .	970 0 0	Other expenses up to 31st March, 1935 .	18 2 3
Advance from Benares Hindu University	1 12 3	Do. during 1935-36	4 2 0
			74,696 11 1
		Balance with the Imperial Bank of India, Allahabad.	955 12 0
Total .	75,652 7 1	Total .	75,652 7 1

JAMNA DATT SANWAL,
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JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 8—*concld.*

IV.—*Puri Property Account. From 1928-29 to 31st March 1936.*

RECEIPTS. EXPENDITURE.

Serial No.	Particulars.	Receipts. Up to 31st March, 1935.	During the year.	Total.	Serial No.	Particulars.	Expenditure. Up to 31st March, 1935.	During the year.	Total.
		Rs. A. P.	Rs. A. P.	Rs. A. P.			Rs. A. P.	Rs. A. P.	Rs. A. P.
1	Rent realized from the Puri Property .	1,880 0 0	50 0 0	1,930 0 0	1	Establishment	471 5 3	..	471 5 3
2	Balance to be recouped from the next years income	253 9 0	306 2 3	559 11 3	2	Agency Charges	122 0 0	..	122 0 0
					3	Rent of Land	552 8 0	..	552 8 0
					4	Municipal Charges	444 11 3	..	444 11 3
					5	Repairs to houses	522 0 6	356 2 3	878 2 9
					6	Miscellaneous expenses	1 12 0	..	1 12 0
							2,114 5 0	356 2 3	2,470 7 3
					7	Advances to Mr. Gopal Swami, Agent at Puri	19 4 0	..	19 4 0
	Total .	2,133 9 0	356 2 3	2,489 11 3		Total .	2,133 9 0	356 2 3	2,489 11 3

JAMNA DATT SANWAL,
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Pro-Vice-Chancellor.

BENARES HINDU UNIVERSITY.

Balance Sheet of the Benares Hindu University as at 31st March, 1937.

Capital and Liabilities.	Details. Rs.	A.	P.	Total. Rs.	A.	P.
I. Perpetual grants—Capitalised value as per last B./S.:						
(*i*) For permanent Reserve Fund . . .	12,80,000	0	0			
(*ii*) For Chairs	6,85,714	4	6			
(*iii*) For Scholarships	1,20,000	0	0			
(*iv*) For General purposes	89,14,285	11	6			
				1,10,00,000	0	0
II. Donations in cash, securities, and properties :—						
(*i*) For Permanent Reserve Fund as per last B./S.	37,20,054	0	0			
(*ii*) For Special chairs as per last B./S.. . .	3,42,200	0	0			
(*iii*) For Endowments for scholarships and prizes as per last B./S. . . . . 6,22,525 13 2 Since added 12,323 0 0						
	6,34,848	13	2			
(*iv*) For Buildings and Special purposes as per last B./S. . 31,71,492 11 5 Since added 34,313 5 9						
	32,05,806	1	2			
(*v*) For Women's College Hostel as per last B./S. .	2,91,000	0	0			
(*vi*) For general purposes as per last B./S. . . . . . 70,14,574 11 4 Since added 27,558 3 2						
	70,42,132	14	6			
				1,52,36,041	12	10
(*vii*) Women's college Reserve Fund as per last B./S.	12,003	8	8	12,003	8	8
III. Central Hindu College properties excluding scholarship funds and revenue yielding properties as per last B./S.	12,07,859	0	5	12,07,859	0	5
IV. Debts, Deposits and Advances :—				7,59,567	6	1
(1) PROVIDENT FUND	..					
(2) SPECIAL FUNDS—						
(*a*) Scholarships and Prizes	71,366	15	11			
(*b*) Manindra Chandra Chair	16,011	3	9			
(*c*) Jain Swetamber Chair	679	0	0			
(*d*) Motichand Chair	4,276	15	9			
				92,334	3	5

Property and Assets.	Details. Rs.	A.	P.	Total. Rs.	A.	P.
Investments at face value :—						
I. (*a*)* 3½ per cent. Government Promissory Notes as per last B./S. 43,53,600 0 0 Since added 1,900 0 0						
	43,55,500	0	0			
(*b*) 3 per cent. Government Promissory Notes as per last B./S. . . .	5,500	0	0			
(*c*) 4 per cent. G. P. Notes as per last B./S. . .	28,700	0	0			
(*d*) 4½ per cent. Government Promissory Notes as per last B./S.	1,09,900	0	0			
(*e*) 5 per cent. U. P. Loan as per last B./S. . .	4,45,300	0	0			
(*f*) 4 per cent. Bombay Municipal and Improvement Trust Debentures as per last B./S. .	27,500	0	0			
(*g*) 3½ per cent. Sterling loan as per last B./S.. .	2,19,000	0	0			
(*h*) 5 per cent. War Bonds as per last B./S.. .	92,900	0	0			
(*i*) 5½ per cent. War Bonds as per last B./S.. .	63,100	0	0			
(*j*) Shares of Newspapers Co., Ltd., Allahabad, as per last B./S.	1,000	0	0			
(*k*) Shares of Delhi Cloth and General Mills Co., Ltd., Delhi as per last B./S.	500	0	0			
(*l*) Shares of Arrah Sassaram Light Ry. Co., Ltd., as per last B./S.	10,000	0	0			
(*m*) 210 Shares of Bombay Electric Supplying and Tramway Co., Ltd., Bombay as per last B./S. .	10,500	0	0			
(*n*) Shares of Bangalore Chikkaballapur Light Railway Co., Ltd., as per last B./S. . .	350	0	0			
(*o*) Shares of Birla Jute Mfg. Co., Ltd., as per last B./S.	20,500	0	0			
(*p*) Shares of Keshoram Cotton Mills Co., Ltd., as per last B./S.	29,500	0	0			
(*q*) Shares of Nainital Bank, Ltd.	1,000	0	0			
				54,20,750	0	0
(*r*) Special Fund Investment for C. H. School Board as *per contra* as per last B./S. 87,847 8 5 Since added 6,621 5 1	..			94,468	13	6

(3) Security Deposit :—as per last B./S.	14,175 0 0		
Since added	9,175 0 0		
		23,350 0 0	
(4) Public Works Dept. Deposits		11,322 4 6	
(5) Other Deposits		1,10,431 9 9	
(6) Geeta Fund		7,798 11 9	
(7) Jodhpur Chair Fund as per last B./S.	18,344 0 7		
Since added	5,181 10 5		
		23,525 11 0	
(b) Jodhpur Reserve Fund for repairs to new residences as per last B./S.	12,399 9 9		
Since added	3,886 4 4		
		16,285 14 1	
(8) Temple Fund		13,394 2 3	
(9) Sah Brinbaban Das Fund		3,521 10 5	
(10) Reserve for Repairs of L. D. Guest House		240 0 0	
(11) Central Hindu School Board Special Fund			2,09,869 15 9
			94,468 13 6
V. Overdraft from Imperial Bank of India, Benares		..	11,12,982 4 9
		..	
VI. Cheque drawn on Imperial Bank of India, but not yet cashed		..	90,614 12 10

II.—			
(a) Capitalised value of perpetual annuities: as per last B./S.		1,10,22,919 0 0	
(b) Value of Immovable property as per last B./S.	6,77,235 0 0		
Since added	723 0 0		
		6,77,958 0 0	1,17,00,877 0 0
III. Capital Works :—			
(1) Land as per last B./S.		5,92,152 9 9	
(2) C. H. C. Buildings as per last B./S.		4,35,658 0 11	
(3) University New Buildings as per last B./S.	62,09,994 0 7		
Since added	1,00,621 10 0		
		63,10,615 10 7	73,38,426 5 3
IV. Equipment :—			
(a) Physical Laboratory as per last B./S.	1,88,140 1 0		
Since added	5,514 5 10		
		1,93,654 6 10	
(b) Chemical Laboratory as per last B./S.	3,30,949 0 7		
Since added	17,641 5 0		
		3,48,590 5 7	
(c) Biological Laboratory as per last B./S.	2,66,219 3 0		
Since added	23,381 4 7		
		2,89,600 7 7	
(d) Glass Laboratory		1,110 2 0	
(e) Astronomical Laboratory as per last B. S.		12,253 9 0	
(f) Library and Museum, as per last B./S.	4,74,454 10 3		
Since added	24,034 4 1		
		4,98,488 14 4	
(g) Engineering College as per last B./S.	21,16,925 13 9		
Since added	32,283 8 9		
		21,49,209 6 6	
(h) Teachers Training College as per last B./S	12,046 12 7		
Since added	2,987 0 0		
		15,033 12 7	
(i) Colleges of Oriental Learning and Theology, as per last B./S.		7,933 13 7	
(j) Law College as per last B./S.		947 13 6	
(k) Sporting and Gymnasium as per last B./S.		2,804 10 0	
(l) Furniture other than for above as per last B./S.	1,94,285 0 2		
Since added	4,280 11 3		
		1,98,565 11 5	
(m) University Photos and Drawings as per last B./S.		3,684 6 0	
(n) Medical Department as per last B./S.	8,978 11 10		
Since added	88 0 0		
		9,066 11 10	

*Note.—Out of these, securities of the face value of Rs. 35,35,700 are held by the Imperial Bank of India, Benares as security against overdraft.

Balance Sheet of the Benares Hindu University as at 31st March 1937—contd.

Capital and Liabilities.	Details.	Total.	Property and Assets.		Details.	Total.
	Rs. A. P.	Rs. A. P.			Rs. A. P.	Rs. A. P.
			IV. Equipment—*contd.*			
			(o) Ayurvedic Department as per last B./S.	27,036 13 5		
			Since added	3,517 7 6		
					30,554 4 11	
			(p) Hospital as per last B./S.	65,960 13 1		
			Since added	7,856 14 3		
					73,817 11 4	
			(q) Central Hindu School Board as per last B./S.	46,651 5 5		
			Since added	1,100 15 0		
					47,752 4 5	
			(r) Live Stock and Carriages as per last B./S.	17,357 15 6		
			Since sold	131 8 0		
					17,226 7 6	
			(s) Agricultural Farm, Dairy and Estates as per last B./S.	9,897 1 2		
			Since added	382 4 3		
					10,279 5 5	
			(t) Music Department as per last B./S.		326 12 9	
			(u) University Training Corps as per last B./S.		1,076 15 9	
			(v) Women's College Hostel as per last B./S.	7,615 1 0		
			Since added	222 0 0		
					7,837 1 6	
			(w) Ancient Indian History and Culture Department as per last B./S.		531 9 0	
			(x) History and Philosophy Department as per last B./S.	382 2 9		
			Since added	259 9 9		
					641 12 6	
			(y) Book Depot as per last B./S.	6,334 10 3		
			Since added	884 5 9		
					7,219 0 0	
			(z) River Boat as per last B./S.		833 2 6	
			(za) Collection Committee as per last B./S.	673 15 3		
			Since added	160 8 0		
					834 7 0	
			(zb) Religious Text Books as per last B./S.		590 14 6	
			(zc) Botanical Garden as per last B./S.		534 14 0	
			(zd) Lachman Das Guest House as per last B./S.		1,040 2 3	
			(ze) University Press		39,620 11 7	
						39,71,661 11 8

			V. Advances and Imprests	..	58,021 12 11
			VI. Amount of Defalcation pending adjustment :—		
			(a) Engineering College	80,549 6 4	
			(b) Central Hindu College amount recoverable on account of defalcation in C. H. College	2,766 1 6	
			(c) Do. Do. discovered in Law College Caution Money	2,010 0	85,325 7 10
			VII. Amount of Physical Culture adjustable	..	4,737 7 3
			VIII. Amount of Birla Hindi Publication Fund adjustable	..	12,804 7 0
			IX. Amount of Sale and Purchase Committee adjustable	..	31 5 5
			X. Cash in hand and with Bankers :—	..	
			1. Central Office—		
			(a) Imperial Bank of India, Benares	3,27,212 7 8	
			(b) Benares Bank Ltd., Benares	2,298 3 7	
			(c) Cash and Cheques in hand	2,629 15 0	
			(d) Uncollected Cheques with Bankers	244 5 6	
			2. Building Department—Cash in hand and with Bankers	2,279 15 0	3,34,664 14 9
			XI. Excess of Disbursements over receipts adjustable as per last B./S.	6,64,690 12 11	
			For the year 1936-37	1,29,191 11 9	7,93,882 8 8
TOTAL		2,98,15,741 14 3	Total	..	2,98,15,741 14 3

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro.-Vice-Chancellor.

K-11

Auditors' Certificate.

We have audited the above Balance- Sheet as at 31st March, 1937, along with relative Receipts and Expenditure and other statements of the Benares Hindu University with such books and accounts as were placed before us by Central Office and other Departments.

The said accounts have been prepared on cash basis irrespective of outstandings. In the Balance-Sheet, the Government Securities and Shares in the Joint Stock Companies have been shown at face value and other assets either at capitalised or book value. Neither depreciation on any of the assets of the University has been provided for, nor, breakages, losses, etc. have been taken into account.

The accounts have been signed by us in light of such information and explanations as have been given to us and are subject to the foregoing remarks and the audit report which is being submitted separately.

BASANT RAM & SONS,

Registered Accountants, Auditors.

The 9th November, 1937.

Abstract of Receipts and Payments of the Benares Hindu University for the year ending 31st March, 1937.

Receipts.	Budget Estimate, 1936-37. Rs. A. P.	Actuals. Rs. A. P.	Disbursements.	Budget Estimate, 1936-37. Rs. A. P.	Actuals. Rs. A. P.
CAPITAL ACCOUNT.					
I. Sale of Securities	34,500 0 0	30,600 0 0	I. Investments	....	
II. Donations for endowment for scholarships and prizes	....	12,323 0 0	(a) Securities	....	32,000 0 0
III. Donations for special purposes	2,08,469 0 0	34,313 5 9	(b) Refund of Security Deposit	....	600 0 0
IV. Donations for endowment of chairs	....	....	(c) School Board Securities	....	6,621 5 1
V. Donations for General purposes	1,72,293 0 0	27,558 3 2	(d) Landed Properties	....	723 0 0
VI. Non-recurring grant from Government of India	....	....	II. Buildings, Roads and Canal	4,14,424 0 0	1,00,621 10 0
VII. Security Deposit	....	9,775 0 0	III. Equipment—		
VIII. Library Fund	....	....	(a) Machinery, Tools and plant	2,16,216 0 0	1,28,212 14 3
IX. Miscellaneous sales	....	409 1 3	(b) Furniture	6,700 0 0	12,291 12 6
X. Funds reserved for special objects	2,76,759 0 0	....	(c) Books	25,500 0 0	25,034 4 1
XI. Advances from Revenue to Capital	....	....	(d) Live Stock	8,880 0 0	64 0 0
			IV. Discount on purchase of securities	....	....
			V (a) Advances from Capital to Revenue	19,101 0 0	....
			(b) Advances from Capital to Debts Deposits and advances	1,200 0 0	....
Total Capital Account	6,92,021 0 0	1,14,978 10 2	Total Capital Account	6,92,021 0 0	3,06,168 13 11
REVENUE ACCOUNT.					
1. Interest	1,28,260 0 0	1,28,941 3 8	1. Interest	25,255 0 0	35,223 12 0
2. Income from Landed and House property	49,554 0 0	49,108 9 3	2. Management of Landed and House property	14,474 0 0	10,611 6 3
3. Grants	4,08,250 0 0	3,64,250 0 0	3. General Administration	77,826 0 0	92,090 9 7
4. Subscriptions	300 0 0	50 0 0	4. University Examinations	75,650 0 0	70,853 2 7
5. University Examinations	1,19,250 0 0	1,06,625 12 9	5. Repairs and maintenance of Buildings and roads	34,423 0 0	39,702 10 0
6. College fees and Receipts	5,33,967 0 0	4,40,742 10 8	6. Colleges	9,24,100 0 0	8,63,864 1 5
7. University Hostels	74,936 0 0	43,953 14 0	7. University Hostels	66,529 0 0	35,011 7 7
8. School Board fees and receipts	72,146 0 0	70,558 0 0	8. Medical Department	14,369 0 0	13,765 12 9
9. School Board Hostels	19,991 0 0	17,968 5 0	9. School Board	1,15,535 0 0	1,12,551 15 2
10. Dairy and Agriculture Farm and Botanical Garden	19,535 0 0	11,918 8 0	10. School Board Hostels	20,877 0 0	18,037 15 3
11. University Press	24,000 0 0	11,673 3 0	11. Town Committee	18,948 0 0	16,099 14 3
12. Miscellaneous	21,228 0 0	20,926 1 9	12. Dairy and Agriculture Farm and Botanical Garden	19,917 0 0	16,107 4 7
			13. University Press	26,750 0 0	18,780 13 7
Total Revenue Receipts	....	12,66,716 4 1	14. Scholarships and Prizes from General Fund	13,615 0 0	13,369 3 6
Excess of disbursements over receipts carried to Balance Sheet	19,101 0 0	1,29,191 11 9	15. Miscellaneous	42,250 0 0	39,837 15 4
			16. Advance from Revenue to Capital	....	....
Total	14,90,518 0 0	13,95,907 15 10	Total	14,90,518 0 0	13,95,907 15 10

Abstract of Special Fund, Receipts and Payments of the Benares Hindu University for the year 1936-37.

Receipts.	Budget Estimate, 1936-37. Rs.	A.	P.	Actuals. Rs.	A.	P.
A. Special Funds	78,732	0	0	97,123	10	9
B. Special Fund for School Board	....			6,621	5	1
C. Provident Fund	95,000	0	0	1,14,174	13	0
D. Debts, Deposits and Advances	60,472	0	0	1,80,190	12	5
E. Uncashed cheques	....			89,831	4	2
F. Advances from Capital to Debts, Deposits and Advances	1,200	0	0	....		
G. Amount of defalcation pending adjustment recovered	....			100	8	0
H. Overdrawal from Bank	....			1,34,608	14	7
Total Debt Heads	2,35,404	0	0	6,22,651	4	0
Total Capital Receipts	....			1,14,978	10	2
Total Revenue Receipt	....			12,66,716	4	1
Total Debt Heads	....			6,22,651	4	0
Total Receipts	24,17,943	0	0	20,04,346	2	3
Opening Balance	....			3,76,575	1	0
Total	24,17,943	0	0	23,80,921	3	3

DEBTS, DEPOSITS AND ADVANCES.

Expenditure.	Budget Estimate, 1936-37. Rs.	A.	P.	Actuals. Rs.	A.	P.
A. Special Fund	76,293	0	0	59,865	9	5
B. Provident Fund	95,000	0	0	68,569	0	6
C. Debts, Deposits and Advances	61,548	0	0	1,53,229	6	7
D. Uncashed cheques of last year	....			62,515	6	3
E. Outstanding Bills	....			....		
F. Repayment of Overdrawal from Bank	....			....		
G. Amount of Reserve of Special Fund	2,563	0	0	....		
Total Debt Heads	2,35,404	0	0	3,44,179	6	9
Total Capital Expenditure	....			3,06,168	13	11
Total Revenue Expenditure	....			13,95,907	15	10
Total Debt Heads	....			3,44,179	6	9
Total Expenditure	24,17,943	0	0	20,46,256	4	6
Closing Balance	....			3,34,664	14	9
Total	24,17,943	0	0	23,80,921	3	3

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

Details of Receipts and Payments of the Benares Hindu University for the year 1936-37.
(Annexure to Balance Sheet as at 31st March 1937.)

CAPITAL ACCOUNT.

RECEIPTS.

Minor Heads.	Actuals for 1936-37. Details. Rs. A. P.	Actuals for 1936-37. Total. Rs. A. P.
I. Sale of Investments—		
(a) Sale of Securities	....	30,600 0 0
(b) Landed properties	....	....
II. Donations for endowments for Scholarships and Prizes	....	12,323 0 0
III. Donations for special purposes	....	34,313 5 9
IV. Donations for endowment of chair	....	....
V. Donations General	....	27,558 3 2
VI. Non-recurring Grants of Government of India	....	....
VII. Security Deposit	....	9,775 0 0
VIII. Sir Sayaji Rao Gaekwad Library Fund	....	....
IX. Temple Fund	....	....
X. Miscellaneous Sales—		
1. Sale of Utensils	19 15 0	
2. Sale of Books	115 10 3	
3. Sale of Drawing Instruments	3 0 0	
4. Sale of Fans	75 0 0	
5. Sale of live stock	195 8 0	409 1 3

EXPENDITURE.

Minor Heads.	Actuals for 1936-37. Details. Rs. A. P.	Actuals for 1936-37. Total. Rs. A. P.
I. Investments—		
(a) Securities	32,000 0 0	
(b) Landed properties	723 0 0	
(c) C. H. School Board	6,621 5 1	
(d) Refund of security deposit	600 0 0	
		39,944 5 1
II. Buildings, Roads, and Canal—		
(a) Arts and Science College	5,701 8 3	
(b) Hostel Buildings	1,421 14 6	
(c) Amphitheatre	4,358 12 6	
(d) Residences old	2,499 7 9	
(e) Primary School	1,645 11 9	
(f) Engineering College	627 4 3	
(g) Ayurvedic Aushadhalaya	1,017 14 0	
(h) T. T. College	90 15 9	
(i) C. H. Girls School Buildings	6,819 15 3	
(j) Residences (new)	3,740 11 3	
(k) Library	2,462 12 0	
(l) Rampur Hall	32 4 0	
(m) Agriculture Inst.	2,164 8 9	
(n) Press Building	3,989 5 6	
(o) L. D. Guest House	2,148 11 9	
(p) Stock Suspense	—7,386 8 11	
(q) V. C.'s Lodge	468 3 3	
(r) Temple	5,460 4 6	
(s) Canal	35,297 12 9	
(t) Pure water supply scheme	12,316 0 2	
(u) Glass Shed	1,424 2 9	
(v) Mining Shed	1,642 8 9	
(w) Dairy Farm	1,187 7 9	
(x) Women's College	2,125 4 3	
(y) Matajis' quarter	3,314 11 9	
(z) C. H. School	1,003 5 6	
(zi) Lady's Club	116 3 0	
(zii) Ceramic Shed	4,875 7 6	
(ziii) Fencing and Boundary	54 1 9	
(ziv) Marble tablets	0 12 0	
		1,00,621 10 0

RECEIPTS.

Details of Receipts and Payments of the Benares Hindu University for the year 1936-37—contd.

EXPENDITURE.

Minor Heads.	Actuals for 1936-37. Details.	Actuals for 1936-37. Total.	Minor Heads.	Actuals for 1936-37. Details.	Actuals for 1936-37. Total.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
			CAPITAL ACCOUNT—*contd.*		
			III. Equipment—		
			A. Machinery, Tools, Plant and Apparatus—		
			(i) Physical Laboratory	5,514 5 10	
			(ii) Chemical Laboratory	9,747 11 0	
			(iii) Botanical Laboratory	2,798 15 11	
			(iv) Institute of Agriculture Research	14,883 6 8	
			(v) Zoology Laboratory	5,653 14 0	
			(vi) Industrial Chemistry—		
			(*a*) Ceramics	760 5 3	
			(*b*) Soap Section	847 8 0	
			(vii) Pharmaceutical Chemistry	4,554 11 9	
			(viii) Glass Department	1,110 2 0	
			(ix) Geology Department	1,995 13 3	
			(x) Engineering College—		
			(*a*) Electric Stores	....	
			(*b*) Electric Apparatus	3,604 4 0	
			(*c*) Machinery, Tools and Plant	2,125 11 9	
			(*d*) Stores	1,279 0 0	
			(*e*) Smithy shop equipment	500 0 0	
			(*f*) Spare parts for Engine	989 11 3	
			(*g*) Electric wiring to New Residential Buildings	1,683 7 3	
			(*h*) Manufacture of Fans	9,270 3 6	
			(*i*) Surveying and Drawing Instruments	996 10 9	
			(*j*) Laboratory Apparatus	1,947 6 3	
			(*k*) Completion of Lecture Theatre and improvement of Class-room	257 2 9	
			(*l*) Metres	2,338 10 0	
			(*m*) Mining and Metallurgy Apparatus	5,088 8 0	
			(xi) Ayurvedic College and S. S. Hospital	7,700 9 6	
			(xii) Dairy Farm	190 12 3	
			(xiii) Agricultural farm	129 6 0	
			(xiv) Women College	49 8 0	
			(xv) Philosophy Department	259 9 9	
			(xvi) T. T. College	2,600 0 0	
			(xvii) C. H. School	314 0 0	
			(xviii) University Press	39,021 7 7	
					1,28,212 14 3
			B. Furniture—		
			1. Estates	....	
			2. University Office	2,151 7 0	
			3. Vice-Chancellor's Office	113 7 6	

		4. Library	371 0 0	
		5. Collection Committee	160 8 0	
		6. Agriculture Farm—		
		(a) Dairy and Dairy Farm	62 2 0	
		7. University Examination	....	
		8. Arts College	596 0 9	
		9. Science College	770 12 0	
		10. Botany Department	45 0 0	
		11. Geology Department	285 0 0	
		12. Industrial Chemical Soap Section	214 0 0	
		13. Ceramic Department	1,380 4 0	
		14. Pharmaceutical Chemistry	100 0 0	
		15. Chemistry Department	36 13 0	
		16. Women College	172 8 0	
		17. S. S. Hospital	3,128 12 3	
		18. Ayurvedic College	295 0 0	
		19. Ayurvedic Aushadhalaya	250 0 0	
		20. T. Training College	387 0 0	
		21. Hostels	186 0 0	
		22. Women College Hostel	....	
		23. School Board—		
		(a) C. H. School	....	
		(b) C. H. Girls' School	707 8 0	
		(c) R. S. Pathshala	51 0 6	
		24. C. H. School Hostel	48 5 6	
		25. Boat Club	....	
		26. Medical Deptt.	88 0 0	
		27. University Photos	....	
		28. L. D. Guest House	....	
		29. N. R. S. S. Committee	92 0 0	
		30. University Press	599 4 0	
				12,291 12 6
		C. Books—		
		1. Office	....	
		2. Library	24,034 4 1	
		3. University Examination	....	
		4. Engineering College	....	
		5. Book Depot	1,000 0 0	
				25,034 4 1
		D. Live Stock—		
		1. Dairy Farm	44 0 0	
		2. Sanitation	20 0 0	
				64 0 0
Total Capital Receipts	1,14,978 10 2	Total Capital Expenditure	....	3,06,168 13 11

II-1

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

Details of Receipts and Payments of the Benares Hindu University for the year 1936-37.

Receipts.	Actuals for 1936-37. Details.	Actuals for 1936-37. Total.
	Rs. A. P.	Rs. A. P.
REVENUE.		
I. Interest—		
1. Interest on G. P. Notes and on other Securities	....	1,28,941 3 8
II. Income from Landed Property—		
1. Property under University management outside Benares	4,965 6 9	
2. Property endowed for fixed sum	8,195 0 0	
3. University Grounds	34,942 14 6	
4. Rent of shops and Houses	1,005 4 0	
		49,108 9 3
III. Grants—		
1. Perpetual Grant from Government of India	3,00,000 0 0	
2. Perpetual grant from Durbars	64,250 0 0	
3. Other Contributions	....	
		3,64,250 0 0
IV. Subscriptions	50 0 0	50 0 0
V. University Examinations—		
1. Admission Examination fee	27,345 4 0	
2. Intermediate Examination fee	13,928 0 0	
3. B. A. and B. Sc. Examination fee	19,527 0 0	
4. M. A. and M. Sc. Examination fee	6,360 0 0	
5. B. T. Examination fee	2,710 0 0	
6. Law Examination fee	6,274 8 0	
7. Examination in Diploma	420 0 0	
8. Engineering Diploma	11,720 0 0	
9. Mining and Metallurgy Examination fee	1,910 0 0	
10. Ayurved Examination fee	1,558 0 0	
11. Industrial Chemistry Examination Fee Diploma Examination in Soap and Pottery	....	
12. Doctors of Letters	200 0 0	
13. Sanskrit Examinations—		
(*a*) Previous Examination	374 0 0	
(*b*) Sanskit Examination fee	746 0 0	
(*c*) Paurohitya	36 0 0	
14. Miscellaneous	8,766 12 0	
15. Enrolment fee	2,119 0 0	
16. Gown fees	1,062 0 0	
17. Sale of Prospectus	1,569 4 9	
		1,06,625 12 9

Expenditure.	Actuals for 1936-37. Details.	Actuals for 1936-37. Total.
	Rs. A P.	Rs. A. P.
REVENUE.		
I. Interest—		
1. Interest on overdraft	35,116 13 0	
2. Interest on Security Deposit	106 15 0	
		35,223 12 0
II. Management of University property—		
1. Establishment	2,207 9 3	
2. Rent and Taxes	4,142 12 0	
3. Revenue and Cesses	1,046 6 11	
4. Law Charges	2,335 6 6	
5. Other expenses	390 12 6	
6. *Re* Survey of University Mahal	....	
7. Repairs to Babu Mahadeo Prasad Property	48 14 7	
8. Repairs to Assam House	....	
9. Travelling	439 8 6	
		10,611 6 3
III. General Administration—		
Offices—		
A. Vice-Chancellor's Office—		
1. Establishment	2,245 14 3	
2. Motor Accessories	1,338 3 0	
3. Postage and Telegrams	938 14 0	
4. Other Expenses	97 3 6	
5. Stationery and Printing	81 2 6	
	4,701 5 3	
B. University Office—		
1. Establishment	48,408 3 3	
2. Audit Charges	3,400 0 0	
3. Stationery and Printing	4,340 8 0	
4. Postage and Telegrams	1,361 15 3	
5. Repairs	964 0 6	
6. Servant's Uniform	1,809 5 0	
7. Miscellaneous	2,312 7 10	
	62,596 7 10	
C. Treasurer's Office—		
1. Establishment	1,501 15 9	
	1,501 15 9	
D. Collection Committee—		
1. Establishment	2,889 11 3	
2. Travelling Expenses	3,314 4 0	
3. Stationery and Printing	3,496 2 0	

VI. College fees and receipts—		
A. College of Oriental Learning . . .	10 0 0	
	10 0 0	
B. Central Hindu College—		
1. Admission fees	2,017 0 0	
2. Fees and fines	64,145 12 0	
3. Common Room fee	878 8 0	
4. Practical Examination fees . . .	1,624 8 0	
5. Other Receipts	1,114 3 0	
	69,779 15 0	
C. Science College—		
1. Admission fee	2,151 0 0	
2. Tuition fees	85,537 2 0	
3. Periodical Examination fee . . .	1,576 4 0	
4. Common Room fee	851 0 0	
5. Other receipts	1,347 13 6	
6. Pharmaceutical Chemistry—Sale of Prospectus	26 14 0	
7. Industrial Chemistry Sale proceeds .	2,075 11 0	
8. Ceramics—		
(a) Government Grant	1,350 0 0	
(b) Sale proceeds	2,076 9 3	
	96,991 11 9	
D. Institute of Agriculturure Research—		
1. Admission fees	51 0 0	
2. Tuition fee	2,746 4 0	
3. Common Room fee	25 0 0	
4. Periodical Examination fee . . .	....	
5. Miscellaneous	22 11 9	
6. Income from Agricultural Farm . .	408 9 0	
	3,253 8 9	
B. Library—		
1. Subscription	8,211 0 0	
2. Miscellaneous	398 2 9	
	8,609 2 9	
C. College of Ayurveda, Aushadhalaya and S. S. Hospital—		
College of Ayurveda—		
1. Admission Fee	117 0 0	
2. Tuition Fee	5,433 0 0	
Ayurvedic Aushadhalaya—		
1. Sale of Medicines	14,716 12 6	
2. Income from Bombay House . .	5,144 14 7	
3. Miscellaneous	212 10 0	

4. Miscellaneous	621 13 0	
5. Postage and Telegrams	138 6 6	
	10,460 4 9	
E. Library—		
1. Establishment	10,778 7 0	
2. Book Binding	1,586 12 0	
3. Other Expenses	248 4 0	
4. Printing and Catalouging . . .	217 1 0	
	12,830 8 0	92,090 9 7
IV. University Examination—		
1. Fee for setting papers and marking answer books	41,113 8 7	
2. Confidential Printing	8,709 3 6	
3. Printing of Rolls and Diplomas, etc. .	3,354 7 0	
4. Cost of Answer books	3,853 13 0	
5. Convocation Expenses	1,747 11 9	
6. Travelling Expenses	4,765 2 6	
7. Miscellaneous	964 7 0	
8. Examination Establishment . . .	2,006 12 0	
9. Postage and Telegrams	1,438 1 6	
10. Academical Hoods and Gowns . .	1,038 10 6	
11. Stationery and Printing	1,293 11 3	
12. Printing of Prospectus	567 10 0	
		70,853 2 7
V. Repairs and Maintenance of Buildings—		
1. Establishment	6,689 5 6	
2. Tools and Plant	698 5 6	
3. Buildings	24,712 9 9	
4. Roads	5,624 7 3	
5. Miscellaneous	1,123 14 9	
6. Travelling expenses	853 15 3	
		39,702 10 0
VI. Colleges—		
A. Arts College—		
1. Arts College Establishment . . .	1,71,563 7 3	
2. Stationery and Printing	505 5 9	
3. Electric charges	2,120 10 0	
4. Common Room	1,174 14 9	
5. Periodical Examination	744 3 6	
6. Religious Instruction	3,630 0 0	
7. Postage and Telegrams	59 9 3	
8. Other expenses	90 10 0	
	1,79,888 12 6	
B. College of Science—		
1. Establishment	1,67,454 6 8	
2. Stationery and Printing	868 3 0	
3. Periodical Examination	512 1 6	
4. Postage and Telegrams	64 5 9	
5. Repairs of Furniture	58 4 0	
6. Other expenses	115 5 9	

Details of Receipts and Payments of the Benares Hindu University for the year 1936-37—contd.

Receipts.	Actuals for 1936-37. Details.	Total.
	Rs. A. P.	Rs. A. P.
C.—College of Ayurveda, Aushadhalaya and S. S. Hospital—*contd.*		
Ayurvedic Aushadhalaya—*contd.*		
4. Grant from U. P. Government	45,000 0 0	
5. Interest on Vassanji Khemji Chair	2,776 8 0	
6. Garden Miscellaneous Receipts	276 5 3	
7. Sale of Prospectus	3 0 0	
8. Grant from Board of Indian Medicine (Hospital)	2,000 0 0	
9. Interest on Sir Sundarlal Fund	3,495 8 0	
10. Miscellaneous receipts	101 2 0	
	79,276 12 4	
D. Engineering College—		
1. Application fee	384 0 0	
2. Admission fees	1,064 0 0	
3. Tuition fees and fines	69,516 1 0	
4. Common Room fees	650 0 0	
5. Periodical Examination fees	884 14 0	
6. Miscellaneous	924 6 0	
7. Sale of manufacture	4,338 4 6	
8. Electric Light	49,132 5 3	
9. Sale of Prospectus	381 8 0	
10. Water Tax	620 14 0	
	1,27,896 4 9	
E. Mining and Metallurgy Department—		
1. Admission fee	154 0 0	
2. Tuition fees and fines	8,314 4 0	
3. Common Room fees	142 0 0	
4. Sale of Prospectus	294 10 9	
5. Other Receipts	391 2 0	
	9,296 0 9	
F. Law College—		
1. Admission fee	473 0 0	
2. Fees and fines	23,284 8 0	
3. Common Room fees	210 8 0	
4. Periodical Examination fees	203 0 0	
5. Miscellaneous	227 0 0	
	24,398 0 0	

Expenditure.	Actuals for 1936-37. Details.	Total.
	Rs. A. P.	Rs. A. P.
B. College of Science—*contd.*		
7. Laboratories—		
(*a*) Physical	4,210 14 7	
(*b*) Chemical	10,594 5 6	
(*c*) Physical Chemistry	1,289 2 0	
(*d*) Botanical	3,382 1 5	
(*e*) Zoological	3,677 14 6	
(*f*) Industrial Chemistry—		
(i) Soap Section	10,533 4 3	
(ii) Ceramics	8,943 14 0	
(*g*) Gas Department	6,133 5 6	
(*h*) Geology	1,706 13 0	
(*i*) Pharmaceutical Chemistry	3,680 2 0	
(*j*) Glass	4,207 13 0	
	2,27,432 4 5	
C. Institute of Agricultural Research—		
1. Establishment	16,316 4 9	
2. Wages of Workmen	1,327 9 0	
3. Laboratory Expenses	4,606 10 9	
4. Stationery and Printing	234 7 3	
5. Common Room	8 2 0	
6. Manure	88 0 0	
7. Seeds	218 0 0	
8. Other Expenses	1,239 9 0	
	24,038 10 9	
D. College of Oriental Learning—		
1. Establishment	35,577 10 6	
2. Stationery and Printing	34 2 3	
3. Other Expenses	12 7 0	
	35,624 3 9	
E. College of Theology—		
1. Establishment	3,126 15 3	
2. Miscellaneous	13 7 9	
	3,140 7 0	
F. (*a*) College of Ayurveda—		
1. Establishment	20,262 5 9	
2. Miscellaneous	332 15 0	
3. Pathology	179 5 9	

G. Teachers' Training College—		
1. Fees and fines	6,130 0 0	
2. Miscellaneous	53 10 9	
3. Lorry hire	695 0 0	
	6,878 10 9	
H. Women College—		
1. Interest on securities	10,088 15 10	
2. Admission fees	163 4 0	
3. Tuition fees	3,565 8 0	
4. Game fees	316 0 0	
5. Miscellaneous	40 12 0	
6. Periodical Examination . . .	178 0 0	
	14,352 7 10	4,40,742 10 8
VII. University Hostels—		
1. Arts and Science Colleges . . .	20,536 6 0	
2. Engineering College	13,688 8 0	
3. Training College	1,752 0 0	
4. Mining and Metallurgy	1,786 0 0	
5. Law College	1,994 0 0	
6. Women's College	1,520 0 0	
7. Ayurvedic College	727 0 0	
8. N. R. S. S. Committee	1,950 0 0	
		43,953 14 0
VIII. School Board fees and Receipts—		
1. Admission fees	475 8 0	
2. Fees and fines	20,317 14 0	
3. Miscellaneous	163 0 0	
4. Grant from Government	25,440 0 0	
	46,396 6 0	
B. R. S. Pathshala—		
1. Kashmir grant	3,252 0 0	
C. Central Hindu Girls' School—		
1. Tuition fees	4,081 10 0	
2. Government Grant	10,068 0 0	
3. Lorry fees	6,760 0 0	
	20,909 10 0	70,558 0 0
IX. School Board Hostels—		
1. C. H. School	10,682 3 0	
2. C. H. Girls' School	4,447 0 0	
3. R. S. Pathshala—		
(i) Kashmir Grant	1,446 0 0	
(ii) Porebunder Grant	1,393 2 0	
		17,968 5 0
X. Agricultural and Botanical Garden—		
(a) Dairy Farm	6,943 11 0	
(b) Agricultural Farm	4,910 4 6	
(c) Botanical Garden receipt . . .	64 8 6	
		11,918 8 0

4. Labo. Expenses	214 10 3
5. Anatomy Expenses	193 13 3
	21,183 2 0
(b) Ayurvedic Aushadhalaya—	
1. Establishment	6,970 4 9
2. Prayogshala	4,995 13 0
3. Garden	2,253 13 0
4. Dispensary	3,031 8 0
5. Other Expenses	292 4 3
6. Repairs to Bombay House . .	2,344 14 7
7. Stationery and Printing . . .	73 12 9
	19,462 6 4
(c) S. S. Hospital—	
1. Establishment	9,785 1 6
2. Medicines	5,445 10 0
3. Expenses of beds	4,192 1 6
4. Other expenses	557 3 6
5. Stationery and Printing	188 10 3
6. Dressing Materials	2,119 9 9
7. Patients' clothing	555 11 0
8. Electric Charges	4,337 14 9
	27,181 14 3
G. Engineering College—	
A. Tuitional—	
1. Establishment	1,08,811 1 6
2. Stationery and Printing	2,150 11 0
3. Laboratory expenses	1,625 1 3
4. Postage and Telegrams	530 14 0
5. Drawing Materials	86 2 0
6. Repairs to Furniture	18 8 6
7. Common Room	152 7 0
8. Other expenses	491 15 9
9. Motor accessories and Petrol . .	413 12 3
	1,14,280 9 3
B. Workshop—	
1. Establishment	22,266 13 0
2. Wages of Workmen	24,886 6 0
3. Stipends to Artizans	5,370 1 6
4. Coal	23,533 6 9
5. Wood	1,773 9 6
6. Other Stores	3,131 15 3
7. Cast Iron	28 0 0
	80,990 4 0

Details of Receipts and Payments of the Benares Hindu University for the year 1936-37—contd.

Receipts.	Actuals for 1936-37. Details.	Actuals for 1936-37. Total.
	Rs. A. P.	Rs. A. P.
XI. University Press	....	11,673 3 0
XII. Miscellaneous—		
A. University Magazine—		
1. Subscriptions and Advertisements	4,315 0 0	
B. Other Receipts	3,524 12 9	
C. Medical fees and Medicine fees	7,239 2 0	
D. Town Committee	479 12 0	
E. Music	143 0 0	
F. Sale of Panchang	5,224 7 0	
		20,926 1 9

Expenditure.	Actuals for 1936-37. Details.	Actuals for 1936-37. Total.
	Rs. A. P.	Rs. A. P.
C. Electric Works—		
1. Establishment	3,727 9 9	
2. Wages	5,629 7 0	
3. Other Stores	7,288 12 9	
	16,645 13 6	
D. Water Works—		
Pumping	13,868 5 0	
H. IV. Mining and Metallurgy—		
1. Establishment	33,100 1 0	
2. Laboratory expenses	2,170 10 4	
3. Stationery and Printing	33 10 6	
4. Other expenses	120 3 9	
5. Electric charges	1,096 1 6	
	36,520 11 1	
I. Teachers' Training College—		
1. Establishment	28,509 14 6	
2. Stationery and Printing	109 11 4	
3. Lorry Hire	599 3 6	
4. Postage and Telegrams	91 5 6	
5. Laboratory Expenses	45 10 6	
6. Other Expenses	1,149 15 0	
	30,505 12 4	
G. Law College—		
1. Establishment	11,624 11 3	
2. Stationery and Printing	49 13 9	
3. Other expenses	47 6 6	
4. Periodical Examination	53 1 0	
	11,775 0 6	
J. Women College—		
1. Establishment	20,678 4 6	
2. Music	123 6 0	
3. Domestic Science	38 1 3	
G. Games	204 1 0	
5. Stationery and Printing	75 12 0	
6. Periodical Examination	111 12 0	
7. Other Expenses	94 8 0	
	21,325 12 9	8,63,864 1 5

VII. University Hostel—		
1. Establishment	24,073 3 6	
2. Other expenses	1,784 3 1	
3. Light	755 1 6	
4. Stationery and Printing	484 9 6	
5. Women College Hostel	5,005 9 0	
6. Servants' Uniform	35 6 0	
7. Repairs of Furniture	552 9 0	
8. Electric Charges	555 15 6	
9. Non-Resident Students' Supervision Committee	1,764 14 6	
		35,011 7 7
VIII. Medical Department—		
1. Establishment	10,398 15 0	
2. Other expenses	405 4 9	
3. Health examination	499 5 3	
4. Medicine	2,462 3 9	
		13,765 12 9
IX. Schools—		
A. Central Hindu School—		
1. Establishment	73,815 5 2	
2. Stationery and printing	412 0 3	
3. Book Binding	53 15 6	
4. Repairs of Furniture	277 11 9	
5. Postage and Telegrams	59 13 0	
6. Boy scouts	99 13 0	
7. Books and Periodicals	286 14 6	
8. Nature Study	84 0 0	
9. Other expenses	365 8 3	
10. Ceremonials	102 1 3	
11. Servants' Uniform	9 8 0	
12. Maps and Globes	153 0 3	
	75,719 10 11	
B. R. S. Pathshala—		
1. Establishment	7,824 5 6	
2. Other expenses	165 10 3	
	7,989 15 9	
C. Central Hindu Girls' School—		
1. Establishment	20,168 3 9	
2. Rent and Taxes	257 3 6	
3. Repairs of Furniture	48 10 0	
4. Motor Lorry expenses	7,615 6 9	
5. Other expenses	249 12 6	
6. Appliances	27 5 0	
7. Stationery and Printing	100 0 0	
8. Hygiene	34 0 0	
9. Books and Periodicals	199 12 6	
10. Games and Drill	47 0 3	
11. Maps and Globes and Nature Study expenses	94 14 3	
	28,842 4 6	
		1,12,551 15 2

Details of Receipts and Payments of the Benares Hindu University for the year 1936-37—concld.

Receipts.	Actuals for 1936-37. Details.	Actuals for 1936-37. Total.	Expenditure.	Actuals for 1936-37. Details.	Actuals for 1936-37. Total.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
			X. School Board Hostels—		
			(*a*) C. H. School	9,595 2 6	
			(*b*) C. H. Girls School	4,128 10 6	
			(*c*) R. S. P. Chhatravas—		
			1. Kashmir	2,501 0 3	
			2. Porebunder Annakshetra . . .	1,813 2 0	
				18,037 15 3	18,037 15 3
			XI. Town Committee Department—		
			1. Sanitation	12,811 0 0	
			2. Arboriculture	....	
			3. Watch and Ward	3,288 14 3	
					16,099 14 3
			XII. Agriculture and Dairy farm—		
			A. Agricultural Farm—		
			1. Establishment		
			2. Wages of Workmen	1,200 0 0	
			3. Feed of Cattle	1,766 7 6	
			4. Land Rent	380 4 9	
			5. Seeds	440 0 0	
			6. Electric Charges	192 6 9	
			7. Manure	42 8 0	
			8. Miscellaneous	539 7 9	
			9. Farm Repairs of Implements . . .	265 4 0	
				75 5 6	
				4,901 12 3	
			B. Dairy Farm	8,645 7 0	
			C. Botanical Garden	2,560 1 4	16,107 4 7
			XIII. Scholarships and Prizes from General Fund—		
			1. C. H. College	4,726 6 6	
			2. College of Ayurveda and Oriental Learning	6,142 1 0	
			3. R. S. Pathshala	2,460 12 0	
			4. C. H. Girls' School	40 0 0	
					13,369 3 6
			XIV. University Press	....	18,780 13 7
			XV. Miscellaneous—		
			1. University Magazine and Book Depot .	2,771 7 6	
			2. Ceremonials	791 3 3	
			3. Contribution to Prov. Fund . . .	21,480 0 5	
			4. University Training Corps . . .	1,000 0 0	

Total Revenue Receipts .	....	12,66,716 4 1
Excess of Disbursements over Receipts carried to Balance Sheet	....	1,29,191 11 9
Total .	....	13,95,907 15 10

5. Lachamandas Guest House . . .	248 10 3	
6. Visits	263 5 3	
7. Universiry Parliament	19 3 3	
8. Contribution to Inter-University Board .	750 0 0	
9. Panchang Account	2,677 1 6	
10. Excursion	3,813 0 1	
11. Music Department	2,209 14 0	
12. Stable	810 10 4	
13. Guest House	146 12 9	
14. Travelling allowance	1,931 5 0	
15. Universities Conference	....	
16. Emergent and Unforesen expenses . .	925 5 9	
		39,837 15 4
Total Revenue Payments .	....	13,95,907 15 10
Total .	....	13,95,907 15 10

K-II

JAMNA DATT SANWAL,	BASANT RAM & SONS,	JWALA PRASAD,
Accountant.	*Registered Accountants and Auditors.*	*Pro-Vice-Chancellor.*

Details of Receipts and Payments of the Benares Hindu University for the year 1936-37.

(Annexure to Balance Sheet as at 31st of March, 1937.

Receipts.	Actuals for 1936-37. Details.	Actuals for 1936-37. Total.
	Rs. A. P.	Rs. A. P.
A. Special Funds—		
1. Scholarships and Prizes—		
(a) Interest on Securities	27,009 13 2	
(b) Income from Land	5,009 4 10	
(c) Grants	11,818 3 9	
(d) Contributions	18,921 9 2	
	62,758 14 11	
2. Chairs—		
(a) Motichand Chair	4,131 8 0	
(b) Manindra Chandra Chair . . .	6,012 4 0	
(c) Jain Swetambar Chair . . .	1,817 6 0	
	11,961 2 0	
3. Birla Hindi Publication Fund . . .	315 6 6	
4. Sah Brinda Ban Das Fund	3,536 8 7	
5. C. H. School Board	6,621 5 1	
6. Geeta Fund	5,998 0 0	
7. Temple Fund	3,245 12 0	
8. Jodhpur Agriculture Fund—		
(a) Irvin Chair Fund	5,181 10 5	
(b) Reserve Fund for Repairs of new Residences	3,886 4 4	
(c) Reserve Fund for Repairs renewals of L. D. Guest House	240 0 0	1,03,744 15 10

Expenditure.	Actuals for 1936-37. Details.	Actuals for 1936-37. Total.
	Rs. A. P.	Rs. A. P.
A. Special Funds—		
1. Scholarships from Endowments—		
(a) Arts and Science Colleges . . .	16,797 12 6	
(b) Teachers' Training College . . .	3,200 0 0	
(c) College of O. L. & Theology . .	1,919 5 0	
(d) Ayurveda College	2,340 3 0	
(e) Engineering College & Mining & Metallurgy	5,778 15 11	
(f) Bikaner State Scholarship . . .	6,154 14 0	
(g) Bajoria Scholarships	973 6 0	
(h) Women's College Scholarships . .	4,740 0 0	
(i) Batra Scholarship	108 0 0	
(j) The Chaturvedi Haribhajan Prasad Scholarship Trust Fund, Kalpi . . .	778 0 0	
(k) Rajarshi State Scholarship . . .	742 10 3	
(l) C. H. School Board—		
(1) C. H. School	1,039 13 0	
(2) C. H. Girls' School . . .	163 12 0	
	44,736 11 8	
2. Prizes and Medals—		
1. Arts & Science Colleges	664 12 6	
2. College of Oriental Learning . . .	21 0 0	
3. C. H. School	79 13 9	
4. C. H. Girls' School	59 0 0	
	824 10 3	
3. Chairs—		
(a) Motichand Chair	2,959 0 3	
(b) Manindra Chandra Chair . . .	6,288 8 0	
(c) Jain Swetamber Chair . . .	2,154 12 0	
	11,402 4 3	

B. Provident Fund		1,14,174 13 0
C. Debts, Deposits & Advances—		
(i) Advances	61,127 0 7	
(ii) P. W. D. Deposits	34,553 6 3	
(iii) Other Deposits	47,808 7 1	
(iv) P. W. D. Provident Fund. . . .	115 4 7	
(v) Income Tax	18,021 5 9	
(vi) Artizan Deposit	1,612 7 8	
(vii) D. B. Tax	4,418 14 6	
(viii) Physical Culture	12,533 14 0	
		1,80,190 12 5
D. Amount of defalcation pending adjustment recovered . .		100 8 0
E. Cheques drawn on Imperial Bank of India not yet cashed . .		89,831 4 2
F. Overdrawal for Bank . .		1,34,608 14 7
Total Receipt Debt Heads .		6,22,651 4 0

4. Birla Hindi Publication Fund . . .	46 3 9	
5. Sah Brindaban Das Fund	2,712 13 9	
5. Temple Fund	78 13 9	
7. Geeta Fund	64 0 0	
		59,865 9 5
B. Provident Fund		68,569 0 6
C. Debts, Deposits & Advances—		
1. Advances	42,956 0 2	
2. P. W. D. Deposits	36,127 4 9	
3. Do. Provident Fund	814 5 8	
4. Artizan Deposit	1,826 8 0	
5. Other Deposits	31,680 6 1	
6. Income Tax	18,082 9 0	
7. D. B. Tax	4,439 10 3	
8. Physical Culture.	17,271 5 3	
9. Sale & Purchase Committee . . .	31 5 5	
		1,53,229 6 7
D. Uncashed Cheques of last year		62,515 6 3
Total Expenditure Debt Heads .		3,44,179 6 9

II-M 2

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

Details of Assets and Liabilities of the Benares Hindu University as at 31 March 1937.

(Annexure to Balance Sheet as at 31st of March, 1937.)

Particulars.	Details.	Total.
CAPITAL & LIABILITIES.	Rs. A. P.	Rs. A. P.
I. Perpetual grants—Capitalised value as per last Balance sheet :—		
(1) For Permanent Reserve Fund— Perpetual Annuities granted by the following Indian Chiefs capitalised at 3½ per cent., *i.e.*, at 28·57143 times— Rs. per year. (*a*) Jodhpur Durbar . . 24,000 (*b*) Kashmir Durbar . . 12,000 (*c*) Bikaner Durbar . . 7,800 (*d*) Jhalawar Durbar . . 1,000	12,80,000 0 0	
(2) For Chairs— Perpetual annuity of Rs. 24,000 for 2 special Chairs of Electrical and Mechanical Engineering granted by H. H. Farzand-i-Khas Daulat-i-Englishia Mansurulzaman, Amir-ul-Umra Maharaja Dhiraj Rajeshwar Sri Maharaja Rajgan Maharaja Bhupendra Singh Mahinder Bahadur G.C.I.E., of Patiala	6,85,714 4 6	
(3) For Scholarships— Perpetual annuity of Rs. 4,200 a year granted by the Bikaner Durbar for Scholarships .	1,20,000 0 0	
(4) For General Purposes— (*a*) Perpetual grant by the Government of India of Rs. 3,00,000 per annum Rs. 85,71,428-9-3. (*b*) Perpetual grant of Rs. 6,000 a year by H.H. Sir Jagatjit Singh Bahadur, G.C.S.I., of Kapurthala . . Rs. 1,71,428-9-3. (*c*) Perpetual grant of Rs. 6,000 a year by H.H. Maharaja of Cochin Rs. 1,71,428-9-0	89,14,285 11 6	1,10,00,000 0 0
II. (1) Donations for Permanent Reserve Fund, as per last Balance sheet— (*a*) Patna property purchased for Rs. 72,000 (Nurpur Sattar and Shahpur). (*b*) Cawnpore property given in gift in lieu of 5,000 (share in Gedha). (*c*) Benares Property for Rs. 2,500 . .	71,235 0 0	
(*d*) Government Promissory Notes and Securities	36,25,900 0 0	

Particulars.	Details.	Total.
PROPERTY AND ASSETS.	Rs. A. P.	Rs. A. P.
I*. Investments at face value—		
(1) 3½ per cent. Government Promissory Notes— As per last B. S. . . . . 43,53,600 Since added 1,900	43,55,500 0 0	
(2) 3½ per cent. Sterling loan— As per last B. S.	2,19,000 0 0	
(3) 3 per cent. Government Promissory Notes— As per last B. S.	5,500 0 0	
(4) 4 per cent. Government Promissory Notes— As per last B. S.	28,700 0 0	
(5) 5 per cent. U. P. Loan— As per last B. S.	4,45,300 0 0	
(6) 4 per cent. Bombay Municipal Debentures— As per last B. S.	27,500 0 0	
(7) 4 per cent. G. P. Notes— As per last B. S.	1,09,900 0 0	
(8) 5½ per cent. War Bonds— As per last B. S.	63,100 0 0	
(9) 5 per cent. War Bonds— As per last B. S.	92,900 0 0	
(10) Shares of Newpapers Co., Ltd., Allahabad— As per last B. S.	1,000 0 0	
(11) Shares of Delhi Cloth & General Mills Co., Ltd., Delhi— As per last B. S.	500 0 0	
(12) Shares of Arrah Sasaram L. Ry., Co., Ltd.,— As per last B. S.	10,000 0 0	
(13) 210 Shares of Bombay Electric & Tramway Co., Ltd.— As per last B. S. . . . . 10,000 Value since increased 500	10,500 0 0	
(14) Shares of Bangalore Chikbalpore Light Ry. Co., Ltd.— As per last B. S.	350 0 0	
(15) Shares of Nainital Bank, Ltd.— As per last B. S.	1,000 0 0	
(16) Shares of Birla Jute Mfg. Co., Ltd.— As per last B. S.	20,500 0 0	
(17) Shares of Keshoram Cotton Mills Co., Ltd.— As per last B. S.	29,500 0 0	54,20,750 0 0

(e) Pension payment order No. 509, dated 23rd March 1915 of Rs. 66-13-7 monthly . .	22,919 0 0	
	37,20,054 0 0	37,20,054 0 0
(2) Donations for Special Chairs as per last B. S.—		
(a) Amount endowed by Hon'ble Maharaja Sir Manindra Chandra Nandy Bahadur, K. C. I.E., of Kassimbazar for Manindra Chandra Chair of Ancient Indian History and Culture	1,72,000 0 0	
(b) Amount endowed by Hon'ble Raja Sir Motichand, Kt., C.I.E., of Benares for Motichand Chair of Chemical Technology	1,18,200 0 0	
(c) Jain Swetamber Conference Chair . .	52,000 0 0	
	3,42,200 0 0	3,42,200 0 0
(3) Donations for Endowment for scholarships and Prizes—		
(a) Property endowed by Akhauri Babu Prem Narayan of Gaya	10,000 0 0	
(b) Property endowed by Mahant Satish Ch. Giri of Tarkeshwar	1,00,000 0 0	
(c) Shares of Birla Jute Manufacturing Co., Ltd.	29,500 0 0	
(d) Shares of Kesho Ram Cotton Mills Co., Ltd.	20,500 0 0	
(e) Property endowed by Pt. Yajnadutt Bholadutt of Anupshahr	30,000 0 0	
(f) Chandpur Property.	10,000 0 0	
(g) Puri Property	40,000 0 0	
(h) Batra Property	6,000 0 0	
(i) Rameshwar Cottage	3,088 6 0	
(j) Shares of Bombay Electric Light Co. .	10,500 0 0	
(k) Lachman Das Guest House	11,000 0 0	
(l) G. P. Notes endowed by Donors for Scholarships and prizes	3,29,500 0 0	
Cash for Investment	34,760 7 2	
		6,34,848 13 2
(4) Donations for Buildings and special objects as per last Balance Sheet—		
Rai Bahadur Lala Ramcharan Das, Allahabad, for construction of a hostel . . .	75,000 0 0	
Bhateley Shyam Behari Lal, Etawah, for a Building to be constructed in memory of his brother Bhatoley Shyam Sunder .	25,000 0 0	
Rani Phul Kunwari, widow of Rai Bahadur Choudhury Ranjit Singh of Moradabad, for rooms to be constructed in memory of her husband	6,000 0 0	

(18) School Board Special Fund Investments— As per last B. S. . . . . 87,847-8-5 Since added 6,621-5-1			94,468 13 6
II. (a) Capitalised Value of perpetual annuities— As per last B. S. . . . . . . Pension Payment Order		22,919 0 0	
(b) Capitalised Value of perpetual annuities granted by Government and the following Durbars—			
(1) Government of India . .	3,00,000		
(2) Jodhpur Durbar . . .	24,000		
(3) Kashmir Durbar . . .	12,000		
(4) Bikaner Durbar . . .	12,000		
(5) Jalawar Durbar . . .	1,000		
(6) Kapurthala Durbar . .	6,000		
(7) Patiala Durbar . . .	24,000		
(8) Cochin Durbar . . .	6,000		
	3,85,000	1,10,00,000 0 0	1,10,22,919 0 0
(*Vide* Statement No. 2, pages 160 to 163)			
(c) Value of Immovable properties as per last B. S.—			
(1) Patna Property			
(2) Cawnpore Property		71,235 0 0	
(3) Benares Property			
(4) Gaya Property		10,000 0 0	
(5) Tarkeshwar Property		1,00,000 0 0	
(6) Gouripur Property		1,00,000 0 0	
(7) Amawan Property		50,000 0 0	
(8) Mirzapur Property		40,000 0 0	
(9) Assam House Simla		1,20,000 0 0	
(10) Bombay House		1,00,000 0 0	
(11) Anupshahar		30,000 0 0	
(12) Puri Property		40,000 0 0	
(13) Chandpur Property		10,000 0 0	
(14) Batra Property—			
As per last B. S. . . .	6,000 0 0		
Since added . . .	723 0 0	6,723 0 0	
			6,77,958 0 0
III. Captial Works—			
1. Land (University Nagwa)— As per last B. S.		5,92,152 9 9	
2. Central Hindu College Buildings— As per last B. S.		4,35,658 0 11	
3. University New Buildings—			
As per last B. S. . . .	62,09,994 0 7		
Since added . . .	1,60,621 10 0		
		63,10,615 10 7	
			73,38,426 5 3

* Out of these securities of the face value of Rs. 35,35,700 are held by the Imperial Bank of India, Benares, as security against Quardraft.

Vide G. I. Order dated 1st April 1916, Recd. with the Government of India Education Department No. 256 dated 3rd March, 1916.

Do. 18th April 1916— Do. Do.

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1937—contd.

Particulars.	Details.	Total.
CAPITAL AND LIABILITIES.	Rs. A. P.	Rs. A. P.
Soti Krishna Swarup, B. A., LL.B., for a room to be constructed in the name of his mother	300 0 0	
Pandit Prem Ballabh Bhatt, Nainital, for a room to be constructed in memory of his father	500 0 0	
Lala Ram Das, of Meerut, for a room to be constructed in his name in one of the hostels	1,000 0 0	
Lala Kewal Kishen of Azamgarh for a well	200 0 0	
Mr. Sham Lal Rajey, Fyzabad, for construction of a room in a new hostel	500 0 0	
Babu Lakshmi Prasad, Fyzabad, for a room in a new hostel in the name of his father and himself, *viz.*, Debi Prasad and Lakshmi Prasad of Fyzabad	500 0 0	
Akhauri Babu Prem Narain, of Gaya, for construction of a room	500 0 0	
Rai Krishna Pal Singh, Taluqdar, Birapur, Dt. Partabgarh, for a room in the University hostel	1,000 0 0	
Rai Ganga Ram Bahadur, C.I.E., M.V.O., Lahore, for Water Works	20,000 0 0	
Babu Baldeo Das Hazarimal Dudhwala of Calcutta for Hospital	1,00,000 0 0	
Various Donors for Aushadhalaya	26,000 0 0	
Rai Sangi Das Jesi Ram Saheb of Bombay for Sir Shapurji Broacha Hostel	2,50,000 0 0	
Government, U. P., for books	50,000 0 0	
Seth Bankeylal Moongalal, Bombay, for Commerce	50,000 0 0	
Seth Ramnarayan Harnand Rai Chaudhury, Bombay for a Hostel	1,01,000 0 0	
Seth Santi Das Asukaran, Bombay, for a Hostel	51,000 0 0	
Seth Surajmal Harnandrai, Bombay, for a Hostel	51,000 0 0	
Seth Mani Lal Jugal Kishore, Bombay, for a Hostel	51,000 0 0	
Babu Jivanlal Pannalal, Bombay, for a Hostel	40,000 0 0	
Seth Mathuradas Vasanjee Khimji, Bombay, for Ayurvedic Department	1,50,000 0 0	
Seth Baldeo Das Jugal Kishore Birla for cows	11,000 0 0	
H. H. the Maharaja Rana of Dholpur for Industrial Chemistry	1,00,000 0 0	
Seth Mulji Hari Das of Bombay for Auyrveda	50,000 0 0	
Seth Mangal Das G. Parek of Ahmedabad for a hostel	51,000 0 0	

Particulars.		Details.	Total.
PROPERTY AND ASSETS.		Rs. A. P.	Rs. A. P.
IV. Equipment—			
(a) Physical Laboratory—	Rs. A. P.		
(1) Science Apparatus—			
As per last B. S.	1,83,246 5 0		
Since added	5,514 5 10		
		1,88,760 10 10	
(2) Electric Fittings— As per last B. S.		1,206 0 0	
(3) Gas & Water Fittings— As per last B. S.		750 0 0	
(4) Furniture— As per last B. S.		2,937 12 0	
		1,93,654 6 10	
(b) Chemical Laboratory—			
(1) Apparatus—			
As per last B. S.	1,96,726 12 5		
Since added	9,747 11 0		
		2,06,474 7 5	
(2) Balances & Weights — As per last B. S.		3,932 14 0	
(3) Minerals— As per last B. S.		450 0 0	
(4) Gas plant & Fittings— As per last B. S.		11,193 11 9	
(5) Charts — As per last B. S.		38 4 0	
(6) Water tank & Fittings— As per last B. S.		1,225 0 0	
(7) Furniture—			
As per last B. S.	6,236 8 0		
Since added	36 13 0		
		6,273 5 0	
(8) Industrial Chemistry—			
Apparatus as per last B. S.	95,577 4 5		
Since added	3,202 1 3		
		98,779 5 8	
(9) Pharmaceutical Chemistry—			
As per last B. S.	15,568 10 0		
Since added	4,654 11 9		
		20,223 5 9	
		3,48,590 5 7	

	Rs.	a.	p.
Seth Amarsi Lakshman Das	1,215	0	0
Anonymous Donation for foreign travel of a member of the Staff	2,000	0	0
Raja Jwala Prasad Saheb for reward to his Staff	1,000	0	0
Other special Donation	49,300	9	0
Seth Ganga Bax Kanodia, Calcutta, for Mahopadeshak Vidyalaya	14,000	0	0
Srimati R. Keser Bai *alias* Ramabai, widow of late Koriji Hari Das of Bombay	5,000	0	0
Babu Jugal Kishore Birla of Calcutta for Music	3,000	0	0
Sir Ganga Ram, Rai Bahadur, C.I.E., M.V.O., for Gurudwara	500	0	0
Mr. G. R. Batheja of Patna for Historical Books	100	0	0
H. H. Maharaja Gaekwad of Baroda for entertainment of students	1,000	0	0
B· Gauri Shankar Goenka of Khurja for cows	1,273	3	0
Seth Rameshwar Das Birla of Bombay	10,000	0	0
Pt. Baldeo Ram Dave in books	20,000	0	0
Babu Baijnath, Hyderabad, in books	3,500	0	0
Widow of late Major Basti Singh of Agra in books	3,200	0	0
The late Sir Ashutosh Chaudhury of Calcutta in books	30,000	0	0
P. Chaudhury, Esqr., of Calcutta in books	1,500	0	0
Seth Jamnalal Bachraj Bajaj of Wardha for books	30,007	1	0
The Hon'ble Babu Ganesh Dutt Singh of Patna for a shield	150	0	0
Babu Brijmohanji Birla of Calcutta for Panchang	1,500	0	0
Babu Ramkumar Kajuwala, Calcutta, for Panchang	500	0	0
Babu Sitaram, Calcutta, for Panchang	350	0	0
Babu Ram Kumar Birla, Calcutta, for Panchang	250	0	0
Babu Raj Narayan Bogra, Calcutta, for Panchang	50	0	0
Babu Kesho Das of Benares, for a Trophy	250	0	0
Mr. Girja Kishore, Asstt. Excise Commissioner for Medicines	200	0	0
Lala Ratan Chand Munni Lal, Amritsar for a room in a Hostel	2,000	0	0
Srimati Bhagwandevi for Ayurvedic Medicines	1,000	0	0
Seth Jugal Kishore Birla for Special purpose	1,000	0	0

	Rs. a. p.	Rs. a. p.
(c) Botanical and Zoological Laboratory—		
(1) Apparatus—		
As per last B. S.	2,12,963 3 10	
Since added	8,452 13 11	
		2,21,416 1 9
(2) Furniture—		
As per last B. S.	2,393 9 6	
Since added	45 0 0	
		2,438 9 6
(d) Institute of Agricultural Research—		
As per last B. S.	50,862 5 8	
Since added	14,883 6 8	
		65,745 12 4
		2,89,600 7 7
(e) Glass Laboratory		1,110 2 0
(f) Astronomical Appraratus—		
As per last B. S.		12,253 9 0
(g) Library & Museum—		
(1) Books—		
As per last B. S.	4,71,307 10 3	
Since added	24,034 4 1	
		4,95,341 14 4
(2) Museum—		
As per last B. S.		3,147 0 0
		4,98,488 14 4
(h) Engineering College—		
(1) Machinery, Tools, Plant & Stores—		
As per last B. S.	12,41,786 2 10	
Since added	4,894 7 0	
		12,46,680 9 10
(2) Funiture—		
As per last B. S.		27,287 4 11
(3) Drawing and Surveying Instruments—		
As per last B. S.	45,160 12 8	
Since added	993 10 9	
		46,154 7 5
(4) Books and Periodicals—		
As per last B. S.		32,970 3 5
(5) Workshop extension—		
As per last B. S.		39,655 15 10
(6) Electric Wiring—		
As per last B. S.	1,66,873 14 1	
Since added	4,022 1 3	
		1,70,895 15 4
(7) Engineering Models—		
As per last B. S.		1,286 8 11
(8) Motor accessories—		
As per last B. S.		13,560 15 4
(9) Electric Apparatus & Stores—		
As per last B. S.	2,82,827 13 4	
Since added	12,799 7 6	
		2,95,627 4 10

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1937—contd.

Particulars.	Details.	Total.
CAPITAL AND LIABILITIES.	Rs. A. P.	Rs. A. P.
Babu Mohan Das Boolchand for a Tablet .	50 4 0	
H. H. Maharaja Saheb of Baroda for Athletics	5,000 0 0	
Babu Bhagirath Kanodia of Birla Bros., Calcutta, for Medicines	2,182 15 3	
Babu Bhagirath Kanodia of Birla Bros., Calcutta, for Ayurvedic Aushadhalaya .	8,000 0 0	
Messrs. Jesinghbhai Bhogilal, Bombay, for a tank	500 0 0	
Mr. Krishna Kumar, Dy. Collector, Benares, for a well	1,275 0 0	
Seth Bisheshwar Prasad Ghildayal for Geographical Apparatus for T. T. C. . .	100 0 0	
Raja Saheb of Hathwa for Athletics . .	100 0 0	
Mr. S. Sinha of Patna for Athletics . .	50 0 0	
Sale of Mohan Bagan Match Tickets for Gymnasium	800 0 0	
Seth Jugal Kishore Birla for Athletics . .	5,000 0 0	
H. H. Maharaja Gaekwad of Baroda for Library	2,00,000 0 0	
Srimati Jai Deviji of Calcutta for Dari . .	500 0 0	
Srimati Bariji of Calcutta for Vidyarthi Sahayak Sabha	508 0 0	
Mr. P. C. Misra of Fyzabad for Ayurvedic Department	25 0 0	
Miss Lilavati Bai for Medicines . . .	10 0 0	
Kumar Raja Saheb of Vizayanagram for Gymnasium	500 0 0	
H. H. The Thakur Saheb of Limbdi for Hostel	70,000 0 0	
Seth Ghanshyam Das Birla for Hindi Publication	50,000 0 0	
Seth Rameshwardas Birla for Rajputana Hostel	75,000 0 0	
The Hon'ble Mr. Justice Gokaran Nath Misra for Gymnasium	25 0 0	
Seth Chhajjuram Sajan Kumar for Hospital	21,000 0 0	
Seth Ram Prasad Madhavji	5,000 0 0	
Seth Jaidayalji Kasera	1,100 0 0	
Seth Onkarmal Jatia, Kt.	2,500 0 0	
S. N. Banerjee, Esqr., Calcutta . . .	5,000 0 0	
Babu Sri Krishna Bhattar Calcutta . .	1,500 0 0	
Sir Hariram Goenka, Calcutta for Hospital .	5,000 0 0	
Rao Kripai Singh of Awagarh for Gymnasium.	100 0 0	
Seth Lachhiram Sah for printing Religious Books	500 0 0	
Lala Sitaram, M. A., LL.B.	50 0 0	
Maharaja Bahadur of Balrampur for Gymnasium	2,000 0 0	

Particulars.		Details.	Total.
PROPERTY AND ASSETS.	Rs. A. P	Rs. A. P.	Rs. A. P.
(10) Laboratory Apparatus—			
As per last B. S. . .	88,771 5 3		
Since added . . .	1,947 6 3		
		90,718 11 6	
(11) Mining & Metallurgy apparatus—			
Furniture as per last B. S.	1,63,110 13 9		
Since added . . .	7,369 5 3		
		1,70,480 3 0	
(12) Mining Books—			
As per last B. S.		10,607 4 11	
(13) Engineering College Lecture Theatre & Improvement of class-rooms—			
As per last B. S. . .	3,026 10 6		
Since added . . .	257 2 9		
		3,283 13 3	
		21,49,209 6 6	
(i) Teachers' Training College—			
(1) Furniture and Manual Training Apparatus—			
As per last B. S. . .	9,492 8 5		
Since added . . .	2,987 0 0		
		12,479 8 5	
(2) Books and Periodicals—			
As per last B. S.		2,554 4 2	
		15,033 12 7	
(j) Colleges of Oriental Learning & Theology—			
(1) Apparatus—			
As per last B. S.		2,401 15 9	
(2) Books & Periodicals—			
As per last B. S.		2,062 9 1	
(3) Furniture—			
As per last B. S.		3,469 4 9	
		7,933 13 7	
(k) Law College Books & Furniture—			
As per last B. S.		947 13 6	
		947 13 6	
(l) Sporting and Gymnasium—			
(1) C. H. College Sporting—			
As per last B. S.		1,611 7 9	
(2) C. H. School sporting—			
As per last B. S.		1,193 2 3	
		2,804 10 0	

	Rs.	a.	p.
Messrs. Ramgopal Sheoratan Mehta for Hostel	35,001	0	0
Pt. Ramdularey Trivedi for Gymnasium	100	0	0
H. H. Maharaja Bahadur of Kotah for Gymnasium	1,000	0	0
H. H. Maharaja Bahadur of Patiala for Gymnasium	2,000	0	0
Seth Ghanshyamdasji Birla for Music	200	0	0
Seth Gauri Shankar Goenka, Khurja for Ayurveda	2,500	0	0
Seth Bhairodan Ishwar Chand for Books	10,000	0	0
H. H. Maharaja of Nepal	2,00,000	0	0
Principal A. B. Dhruva for a Shield	316	0	0
Kunwar Balbir Singh, Muzaffarpur, for Gymnasium	100	0	0
Rai Saheb Nihal Singh Saheb	25	0	0
H. H. Maharawal of Dongarpur	101	0	0
Donations collected by the Students of Engineering College	9,000	0	0
Seth Dhannumal Har Bhagwan Das, Shikarpur for a room in the Hostel	1,000	0	0
Sumer Chandji, Ex. Engineer, Hardoi, for Gymnasium	25	0	0
Mr. Chandra Kishore, Mainpuri, for Gymnasium	100	0	0
Mr. Ram Kishore Dixit, Nainital, for Gymnasium	10	0	0
Mr. A. E. Mitra, Asstt. Engineer, Saharanpur, for Gymnasium	50	0	0
Mr. R. L. Bansal, Distt. Engineer, Allahabad, for Gymnasium	25	0	0
Pt. Rajnarayan, Supdt. Engineer, Nanital, for Gymansium	250	0	0
Mr. Krishna Kumar, Dy. Collector, Benares, for a well	114	8	0
Donation realised by the Vice-Chancellor	200	0	0
H. H. the Maharaja of Jodhpur for Agricultural College	3,00,000	0	0
Donations from the sons of late Sir Ganga Ramji of Lahore for Canal	1,00,000	0	0
Pt. Brijmohan Lal Dave, M.A. and Pt. Ram Krishna Dave, B.A., Allahabad for Bed Expenses of Sir Sundar Lala Hospital	1,00,000	0	0
Messrs. Baboo Nandan Inder Attarwala, Bombay, for rooms	10,000	0	0
Pt. Chintamani Pant, Ex-Engineer, Delhi	1,000	0	0
Donation from Jodhpur for Agricultural College	1,000	0	0
P. Choudhary, Esqr., of Calcutta in French Books to B. H. U. Library	15,000	0	0
Pt. Jaideo Prasad Sharma, Benares for equipment of T. T. C.	110	0	0
P. Lal Agarwala, Esqr., for Gymnasium	50	0	0
J. N. Goil, Esqr., for Ayurveda	10	0	0
Avadh Behari Saran, Esqr., for Gymnasium	100	0	0
Rao Raja Narpat Singh, Private Secretary to H. H. Maharaja Sahib of Jodhpur for Agriculture	3,300	0	0

	Rs.	a.	p.	Rs.	a.	p.
(*m*) Furniture and books other than for above—						
As per last B. S.	1,94,285	0	2			
Since added	4,280	11	3	1,98,565	11	5
(*n*) Photos and drawings—						
As per last B. S.				3,684	6	0
(*o*) Medical & Sanitation instruments and books, &c.—						
As per last B. S.	8,978	11	10			
Since added	88	0	0	9,066	11	10
(*p*) Ayurvedic Department—						
As per last B. S.	27,036	13	5			
Since added	3,517	7	6	30,554	4	11
(*q*) Hospital equipment—						
As per last B. S.	65,960	13	1			
Since added	7,856	14	3	73,817	11	4
(*r*) School Board—						
(1) Science Apparatus—						
As per last B. S.	9,209	12	2			
Since added	294	1	0	9,503	13	2
(2) Manual training				1,350	12	0
(3) Books & Magazine				2,323	5	0
(4) Furniture —						
As per last B. S.	29,937	10	9			
Since added	48	5	6	29,986	0	3
(5) R. S. Pathshala books & furniture—						
As per last B. S.	574	9	0			
Since added	51	0	6	625	9	6
(6) Girls' school wiring —						
As per last B. S.				112	13	0
Girls' School Hostel				38	7	6
(7) Girls' School books & furniture—						
As per last B. S.	3,104	0	0			
Since added	707	8	0	3,811	8	0
				47,752	4	5

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1937—contd.

Particulars.	Details.	Total.
CAPITAL AND LIABILITIES.	Rs. A. P.	Rs. A. P.
Seth S. Mulji Parsram Tehra, Cutch for Vidyarthi Sahayak Sabha	20 0 0	
Rai Bahadur Seth Jugal Kishore Birla for Bhagawat Geeta	50,000 0 0	
Collection from students for citizen Library in Block A, B, C, Hostel No. 1	227 13 0	
Lachi Ram Shah, Esqr., Almora, for Religious Text Books	500 0 0	
V. R. Naik Esqr., Hyderabad, Deccan for Gymnasium	5,000 0 0	
V. R. Naik Esqr., Hyderabad Deccan for Gymnasium	1,600 0 0	
Pt. R. S. Tiwary of Dumka—Reward for poor Brahmins of Sanskrit class	7 8 0	
Krishnaji Gopal Naik, Esqr., Hyderabad Deccan, for a room	1,000 0 0	
Kumar Rananjaya Singh of Amethi for Gymnasium	500 0 0	
M. E. Bijawat, Esqr., Lucknow for Gymnasium	100 0 0	
Raja Jwala Prasad, B.A., C.E., Chief Eng., Rtd., for Gymnasium	200 0 0	
B. Govind Singh and B. Devas Singh of Karachi for College of Oriental Learning & Theology	250 0 0	
To be transferred to the Deposit Accounts	5 4 0	
Donation of Raja Dhanraj Gir for Hostel	60,000 0 0	
Donation of Mr. Thadulingam, Principal, Agriculture College, Coimbatore	900 0 0	
Donation of H. H. Maharaja of Darbhanga for Temple	1,00,000 0 0	
Jagannath Khanna, Esq., Retired Inspector of Schools, Jodhpur	2,000 0 0	
Shreemati Sushila Devi, Simla, for Temple	100 0 0	
Adhimaharaj Peruli Debi, Simla, for Temple	100 0 0	
Late Pandit Motilal Nehru, Allahabad (in shape of Law Books)	10,000 0 0	
Mr. Pannalal Maheshwari S/O Messrs, Purushottam Das Narayan Das Maheshwari of Japla	10 0 0	
Mr. Chandanlal Agarwal for T. T. College	30 0 0	
"Ek Sahayak" through Pt. Govind Malviya for Temple	60 0 0	
Mrs. and Mr. Ambalal Sarabhai, Ahmedabad for special purposes	5,000 0 0	
Sheth Kasturbhai Lalbhai, Ahmedabad, for Women Hostel	20,000 0 0	
Sir Chinubhai Madhowlal Ranchhodlal, Ahmedabad	5,000 0 0	

Particulars.		Details.	Total.
PROPERTY AND ASSETS.		Rs. A. P.	Rs. A. P.
(s) Live Stock and Carriages —	Rs. A. P.		
1. Horses & Carriages— As per last B. S.		6,248 7 3	
2. Agriculture— As per last B. S.	9,485 2 3		
Since sold	151 8 0		
		9,333 10 3	
3. Sanitation— As per last B. S.	153 0 0		
Since added	20 0 0		
		173 0 0	
4. College of Oriental Learning— As per last B. S.		500 0 0	
5. Girls' School— As per last B. S.		371 4 0	
6. Botanical Garden— As per last B. S.		100 0 0	
7. Plant Physiology— As per last B. S.		500 2 0	
		17,226 7 6	
(t) Agriculture, Dairy & Estates— 1. Implements and Stores— As per last B. S.	5,419 7 6		
Since added	129 6 0		
		5,548 13 6	
2. Books— As per last B. S.		13 4 0	
3. Furniture— As per last B. S.	4,464 5 8		
Since added	252 14 3	4,717 3 11	
		10,279 5 5	
(u) Music Department— As per last B. S.		326 12 9	
(v) U. T. Corps— As per last B. S.		1,076 15 9	
(w) Women College Hostel Furniture— As per last B. S.	7,615 1 0		
Since added	222 0 0	7,837 1 0	

B. Rajniti Prasad Singh, Monghyr for a quarter	1,400 0 0	
Pari Joshinghbhai Ujamshibhai, Ahmedabad .	1,501 0 0	
Pari Chunilal Khusaldas, Ahmedabad . .	1,001 0 0	
Pari Hiralal Trikamlal, Ahmedabad . .	2,001 0 0	
"Girdhardas Harivallabhdas" Trust Fund by Sheth Chamanlal G. Parekh and Seth Mathuradas Mangal Das, Ahmedabad .	5,001 0 0	
Sheth Manilal & Marshden, Ahmedabad .	1,501 0 0	
Sheth Jamnabhai Bhagubhai, Ahmedabad .	3,001 0 0	
Mrs. Nirmala Bakubhai, Ahmedabad . .	2,001 0 0	
Sheth Popatlal Harilal Nagari, Ahmedabad .	750 0 0	
Sheth Motilal Hirabhai, Ahmedabad . .	3,001 0 0	
Sheth Balabhai Damodar Das, Sarangpur Cotton Mills, Ahmedabad . . .	3,001 0 0	
Sheth Chimanlal Harilal Nagari, Ahmedabad .	751 0 0	
Sheth Haridas Achratlal, Ahmedabad . .	2,001 0 0	
Sheth Chinubhai Lalbhai Trikam, Ahmedabad	2,001 0 0	
Prof. V. S. Tamma, Esq., Meerut . . .	179 4 0	
The Commercial Mills Co., Ltd., Ahmedabad .	751 0 0	
The New Commercial Mills, Ahmedabad .	750 0 0	
Sheth Durga Prasad Shambhu Prasad Hashkari Ahmedabad	2,001 0 0	
Sheth Maneklal Mansukhlal, Ahmedabad .	5,000 0 0	
Pari Gopalbhai Manibhai, Ahmedabad . .	1,501 0 0	
Sheth Amratlal Damodardas, Ahmedabad .	1,001 0 0	
Rai Bahadur Raja Raj Shree Hari Singhji Saheb, C.I.E., Bikaner, for Women College	100 0 0	
His Highness the Maharajadhiraj of Kashmir for Gymnasium	500 0 0	
Small donations received through the Head Master, Central Hindu School, for special purposes	2,000 0 0	
Seth Bhanwarlalji Rampuria, Bikaner, for special purposes	5,000 0 0	
Seth Jugal Kishore Birla, Calcutta . .	750 0 0	
Small donations received thro: Prof. M. L. Shroff, C.H.C., for special purposes . .	213 0 0	
B. Ghanshyamdas Loyalka, Calcutta, for special purposes	50 0 0	
Shrijut Sada Sukhji Kobra, Calcutta, for Pharmaceutical Works . . .	50 0 0	
Srijut Madanlalji, Calcutta, for Pharmaceutical Works	50 0 0	
Srijut Ram Nathji Shekh Saria, Calcutta, for Pharmaceutical Works . . .	50 0 0	
Sri Ram Dat Ji Ganga Buksh, Calcutta, for Pharmaceutical Works . . .	425 0 0	
Srijut Duttji Bhailwala, Calcutta, for Pharmaceutical Works	500 0 0	
Srijut Sohanlalji Dugor, Calcutta, for Pharmaceutical Works	100 0 0	
Srijut Daulat Ram Rawatmal, Calcutta, for Pharmaceutical Works	100 0 0	
"A Friend" through Mr. Lahna Singh, Punjab for Special purposes	200 0 0	

(x) Ancient Indian History & Culture— As per last B. S.		531 9 6	
(y) History & Philosophy Department—			
As per last B. S. . .	382 2 9		
Since added . . .	259 9 9	641 12 6	
(z) Book Depot—			
Books as per last B. S. .	6,334 10 3		
Since added . . .	884 5 9		
		7,219 0 0	
(za) River Boat— As per last B. S.		833 2 6	
(zb) Collection Committee—			
Funiture as per last B. S..	673 15 0		
Since added . . .	160 8 0		
		834 7 0	
(zc) Religious Text Books— As per last B. S.		590 14 6	
(zd) Botanical Garden— Furniture as per last B. S.		534 14 0	
(ze) Lachhaman Dass Guest House . . .		1,040 2 3	
(zf) University Press		39,620 11 7	
			39,71,661 11 8
V. Advances and Imprests as per statement No. 3 from pages 164-165			58,021 12 11
VI. Amount of defalcation pending adjustment—			
(a) Engineering College		80,549 6 4	
(b) Amount recoverable on account of defalcation in C. H. College—			
As per last Ms. . .	2,866 9 6		
Since recovered . .	100 8 0	2,766 1 6	
(c) Do. discovered in Law College Caution Money		2,010 0 0	
			85,325 7 10
VII. Amount of Physical Culture Fund adjustable .			4,737 7 3
VIII. Amount of Birla Hindi Publication fund adjustable			12,894 7 0
IX. Amount of Sale and Purchase Committee adjustable			31 5 5
X. Cash in hand & with Bankers—			
(1) Central Office—			
(a) Imperial Bank of India, Benares . .		3,27,212 7 8	
(b) Benares Bank Ltd., Benares . . .		2,298 3 7	
(c) Cash at office		2,629 15 0	
(d) Uncollected cheques with Bankers . .		244 5 6	
(e) Building Department— Cash in hand & with Bankers . . .		2,279 15 0	
			3,34,664 14 9
XI. Excess of disbursements over receipts adjustable as per last Balance-Sheet		6,64,690 12 11	
For the year 1936-37		1,29,191 11 9	
			7,93,882 8 8

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1937—contd.

Particulars.	Details.	Total.	Particulars.	Details.	Total.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
CAPITAL & LIABILITIES.			PROPERTY AND ASSETS.		
B. Abhey Singh, Saharanpore, for special purposes	14 0 0				
Dr. Jivraj N. Mehta, Bombay, for special purposes	600 0 0				
Shivanarayan Lal for machinery for Soap Section	690 0 0				
Lala Basanti Mall Gandawala for Books	21 0 0				
Mr. Raghunath Mull, Hyderabad, for the purchase of Jain Books	51 0 0				
B. Munna Lal, Contractor	500 0 0				
Krishna Prasad, Esq., I.C.S., Etah, for S. S. Hospital	100 8 0				
Donation realised through Mr. A. V. Patankar for Engineering College	52 0 0				
Seth Motilal Manik Amalner for Engineering College	100 0 0				
Seth Dosabhai Magan Lal for Library Buildings	5,000 0 0				
Seth Jaidayal Dalmia for Library and Agriculture	5,000 0 0				
Students of T. T. College for Electric Installation	286 0 0				
The students of Panna Lal High School, Bombay, for Children's school	100 0 0				
S. M. Saraswati Malaviya, Allahabad, for temple	151 0 0				
Lala Belly Ram Bhatia, Calcutta, for Depressed class students	125 0 0				
Collections made by Miss Godavari Bai and others, for C. H. Girls' School	2,502 12 0				
Dr. Ganesh Prasad, D.Sc., Calcutta, for Books	350 0 0				
Seth Govardhandas Govindram Sekhsaria, Nawalgarh, Jaipur, for Smithy Shop in the Engineering College	11,000 0 0				
B. Charanjilal Layalka, Sandhurst Road, Bombay, for hedges and trees	500 0 0				
Mr. S. V. Kailashpathy, Allahabad, for students' welfare	50 0 0				
Dr. P. Prakash, Mussoorie, for Harijan	50 0 0				
Mr. Ramesh Chandra Gupta, Bulandshahar, for temple	11 12 0				
H. H. the Nawab of Rampur, for Engineering College	40,000 0 0				
Messrs. Devkinandan and Girja Nandan Prasad, Moradabad, for a room	650 0 0				
Sardar Dogar Singh, B. H. U., for foundation day celebration	5 0 0				

Captain Ramchandra, B. H. U., for special object	25 0 0				
Munshi Moti Lal, Pensioner, Mandla, for Books	300 0 0				
Miscellaneous collection made by students of K. E. Hostel, for Electric Installation	369 0 0				
Students of Mining & Metallurgy Dept., for Tent Equipment	1,264 11 0				
Mr. Rajniti Prasad Singh of Monghyr, for repairs to quarters	188 12 0				
Mr. M. T. Chiriam, Eng. College and Mr. K. P. Nair, Ceramic Dept. for Hospital	30 0 0				
Seth Jugal Kishore Birla, Calcutta, for stone chairs	788 0 0				
Major D. Graham, London, for Dr. Annie Besant Endowment fund	11,793 11 8				
Srimati Bhagwan Devi for wells	500 0 0				
Raja Baldeo Das Ji Birla, Benares, for Children's School	5,000 0 0				
Pt. Bhagwan Din ji Shukla, Shatpur, Betul, C. P. for special purpose	5 0 0				
Dr. Bhagawan Das Sahib, Benares, for C. H. School Boarding House	50 0 0				
Mr. Gurudayal Mukhlal for benefit of students	10 0 0				
Donation collected by Dr. Iyer for instruments and apparatus for S. S. Hospital	340 0 0				
Donations collected through Principal, T. T. College for improvement of T. T. College— As per last B/S . 9,465 14 0 Since added . 8,000 0 0	17,465 14 0				
Nana Saheb Sathe, Esq., Sholapur, for Shooting Range	1,000 0 0				
Rajmal Rathe, Esq., Sholapur, for Shooting Range	1,000 0 0				
Dr. Vaishampayan, Esq., Sholapur, for Shooting Range	500 0 0				
Baikunthlal S. Thakore, Esq., Sholapur for Shooting Range	501 0 0				
Dr. Mulay, Esq., Sholapur, for Shooting Range	101 0 0				
Collections through Prof. P. S. Varma for temple	5 0 0				
Madanlalji Bajaj, Calcutta, for Pharmaceutical Department	100 0 0				
B. Kaushal Kishore, Mukhtar, Aligarh, for poor students	11 0 0				
Mr. S. P. Tandon, Aligarh, for Women's College	900 0 0				
H. H. Maharaja of Tehri Garhwal for special purposes	20,000 0 0				
S. D. Pandey, Esq., Pilani, for Science College Garden	50 0 0				
S. H. Bose, Esq., Manbhoom, for Mining & Metallurgy Library Fund	50 13 0				

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1937—contd.

Particulars.	Details.	Total.	Particulars.	Details.	Total.
CAPITAL AND LIABILITIES.	Rs. A. P.	Rs. A. P.	PROPERTY AND ASSETS.	Rs. A. P.	Rs. A. P.
Sat Narain Khosla, Esq., Jullundur for special purposes	950 0 0				
T. N. Wally, Esq., Bhilwara, for Science College Garden	10 0 0				
Mr. Dwarka Das Jagannath, Chindwara for poor students	100 0 0				
Dr. Mata Prasad, Bombay, for Science College Garden . . 50 0 0					
Principal K. K. Mathur, B. H. U., for Science College Garden . 54 0 0					
As per last B. S. . 104 0 0					
Since spent . . 96 9 3	7 6 9				
Shrimati Bhagawan Devi Birla for Library .	1,000 0 0				
Patients of Sir Sundarlal Hospital for Hospital	615 8 6				
Shri Gauri Shankarji Goenka for Gowshala .	3,600 0 0				
Shrimati S. B. Bai for Women's Hostel—					
As per last B. S. . 3,500 0 0					
Since added . . 6,500 0 0	10,000 0 0				
Chief Sahib of Aundh for Physical Culture .	1,000 0 0				
Donations realised through Dr. A. S. Altekar, B. H. U., for Children's Primary School .	1,250 0 0				
Donation received from various donors through the Secretary, Women's Club, for Club Building—					
As per last B/S . 100 0 0					
Since added . 1,673 0 0	1,773 0 0				
"A friend" through Mr. V. J. Patel for Swimming Fund	700 0 0				
Lala Shri Ram, M.A., in Books and manuscripts	10,000 0 0				
Additions during 1936-37.					
Babu Harnamdasji, Jaipur, for Tube well filling machine	100 0 0				
Syt. Makund Lal, Central Board of Revenue, New Delhi	20 0 0				
Ram Chandra, Esq., B.A., B.E.S., Asstt. Master, Zilla School, Motihari . .	10,000 0 0				
Prof. S. C. De, for a quarter	8,080 0 0				
Seth Brij Mohan Das Birla, for Electric light around the Canal	5,000 0 0				
Donations received through Prof. N. P. Gandhi for Games Pavilion	1,153 0 0				

Donation for Primary School through Prof. A. S. Altekar	200 0 0			
Lala Hari Ram Saheb, Lahore, for fans in the C. H. Girls' School.	202 0 0			
Khusi Ram Agarwal, Esq., for temple . .	2 0 0			
Panna Lal, Esq., I.C.S., through Rai Govind Chandra Saheb for Books	456 0 0			
Madan Mohan Lal Sadaverty, Esq., Azamgarh for Birthday ceremony of Malaviyaji .	101 0 0			
Dr. B. N. Banerji, for telephone system in B. H. U.	10 0 0			
Donations received from various donors through Prof. Ram Murty for Physical culture	1,010 0 0			
Khan Bahadur M. M. Mulla, Nagpur, for Physical culture	51 0 0			
S. V. Nayadu, Esq., Balaghat, for Physical culture	41 0 0			
Babu Benarsi Das, Bulandshahar, for Poor students	10 0 0			
Seth Bal Mukund Banshidhar for teaching of Sanatan Dharam	2 0 0			
S. P. Tandon, Esq., Aligarh, for Women's College Building	100 0 0			
Donations collected by students for Engineering College	423 14 0			
Messrs. U. P. Stores, Benares, for a show room in the Ayurvedic Pharmacy	200 0 0			
Donations received from various donors for fencing the University area	2,166 1 0			
Donation for charity from Jadunath Singh .	10 0 0			
		32,05,806 1 2		
(5) Donation General (as per separate statement No. 7— As per last B. S. . 70,14,574 11 4; Since added . . 27,558 3 2		70,42,132 14 6		
(6) Donation for Women College as per last B/S.		2,91,000 0 0		
(7) Women College Reserve Fund as per last B./S.		12,003 8 8		
III. Central Hindu College properties excluding revenue yielding properties, and Endowments for scholarships and perpetual grants as per last B/S		12,07,859 0 5		

Details of Assets and Liabilities of the Benares Hindu University as at 31st March 1937—concld.

Particulars.	Details.	Total.	Particulars.	Details.	Total.
CAPITAL AND LIABILITIES.	Rs. A. P.	Rs. A. P.	PROPERTY AND ASSETS.	Rs. A. P.	Rs. A. P.
IV. Debts, Deposits and Advances—					
1. Provident Fund (as per separate Statement No. 4)	..	7,59,567 6 1			
2. Special Fund—					
(a) Scholarships and prizes (as per Statement No. 5)	71,366 15 11				
(b) Maharaja Manindra Chandra Nandy Chair as per separate Statement No. 6. .	16,011 3 9				
(c) Jain Swetamber Chair	679 0 0				
(d) Raja Sir Motichand Chair as per separate Statement No. 6.	4,276 15 9	92,334 3 5			
3. C. H. School Board Special fund . .	..	94,468 13 6			
4. Security Deposit—					
As per last B/S . 14,175 0 0					
Since added . . 9,175 0 0	23,350 0 0				
5. P. W. Deposits	11,322 4 6				
6. Other Deposits	1,10,431 9 9				
7. Temple Fund	13,394 2 3				
8. Geeta Fund	7,798 11 9				
9. Jodhpur Agriculture Fund—					
(a) Irwin Chair	23,525 11 0				
(b) Reserve for New Residences . . .	16,285 14 1				
10. Sah Brindaban Das Fund	3,521 10 5				
11. Reserve for repairs and renewal of Pt. Lachhaman Das Guest House	240 0 0	2,09,869 15 9			
V. Overdraft from the Imperial Bank of India, Benares		11,12,982 4 9			
VI. Cheques drawn on the Imperial Bank of India, not yet cashed		90,614 12 10			
Total .		2,98,15,741 14 3	Total .		2,98,15,741 14 3

JAMNA DATTA SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 1.

Showing the Government Promissory Notes and Securities in possession of the B. H. U. for the following purposes.

(Annexure to Balance sheet as at 31st March, 1937).

Particulars of G. P. Notes and Securities.	Reserve Fund.	CHAIRS.			General Fund.	Temple Fund.	Security Deposit.	Special Fund.			Women's College.	The Chaturvedi Hari Bhajan Pd. Scholarship Trust Fund.	Swimming Fund.	Total on 31-3-37.
		Motichand Chair.	Manindra Chandra Chair.	Jain Conference chair of Phil & Logic.				Scholarships and Prizes.	Ayurveda Fund.	Provident Fund.				
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
3½ per cent. G. P. Notes 1854-55	19,25,800	300	22,000	50,000	..	..	..	81,000	14,600	..	..	..	..	20,93,700
3½ per cent. G. P. Notes 1900-01	16,65,900	..	1,50,000	2,000	..	..	..	68,400	..	8,000	..	..	..	18,94,300
3½ per cent. G. P. Notes 1842-43	..	1,17,900	..	..	100	..	..	18,000	40,800	..	..	..	..	1,76,800
3½ per cent. G. P. Notes 1865 .	200	..	..	..	..	..	2,000	88,500	1,00,000	..	..	..	..	1,90,700
3 per cent of 1896-97 . .	..	..	..	..	..	..	..	4,500	..	..	..	..	..	4,500
3 per cent. 1951-54 . . .	..	..	..	..	..	..	..	1,000	..	..	..	..	..	1,000
3½ Sterling Loan Certificates :— (Face value)	..	..	..	..	..	..	..	..	..	..	2,19,000	..	..	2,19,000
4¾ per cent Loan 1955-60 . .	..	..	..	..	..	..	..	9,900	..	1,00,000	..	..	..	1,09,900
5 per cent. Bonds 1945-55 .	..	..	..	..	..	..	..	13,100	..	79,700	..	..	..	92,800
5 per cent. Bonds 1940-43 .	..	..	..	..	..	..	..	100	..	..	..	..	..	100
5¾ per cent. Loan 1938-40 .	..	..	..	..	..	..	..	2,100	15,300	45,200	..	500	..	63,100
6 per cent. Loan . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 per cent. Loan 1960-70 . .	..	..	..	..	..	..	..	16,000	..	1,000	..	11,000	700	28,700
4 per cent. Bom. P. T. & M. Deb	27,500	..	..	..	..	..	..	..	..	..	..	..	..	27,500
5 per cent. U. P. Loan of 1944 .	6,500	..	..	..	..	65,000	..	14,700	..	3,58,400	..	700	..	4,45,300
6 per cent. Trea. Bond . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total .	36,25,900	1,18,200	1,72,000	52,000	100	65,000	2,000	3,17,300	1,70,700	5,92,300	2,19,000	12,200	700	53,47,400

Certified that (1) G. P. Notes and Securities for Rs. 53,44,100 are kept for safe custody in the Imperial Bank of India, Benares as per Bank Certificate attached.
(2) The following Securities were in the Office with the Cashier :—

	RS.	
(a) 3½ per cent. G. P. Note 1842-43 for	100	(since lodged with the Imperial Bank of India for safe custody.)
(b) 3½ per cent. G. P. Note 1865	100	
(c) 3½ per cent. G. P. Note 1865	100	
(d) 3½ per cent. G. P. Note 1865	100	
(e) 3½ per cent. G. P. Note 1900-01	2,000	
(f) 4 per cent. G. P. Note 1960-70	300	
(g) 4 per cent. G. P. Note	500	
	200	
TOTAL	3,300	

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

Details of Government Promissory Notes and other Securities as shown in Statement No. 1.

RESERVE FUND.

	Rs.	Rs.
3½ per cent. G. P. Notes of 1854-1855 No. 240759 for	18,71,800*	
,, ,, 242233 ,,	50,000	
,, ,, 245205 ,,	3,000	
,, ,, 213873 ,,	1,000	19,25,800
3½ per cent. G. P. Notes of 1900-1901 No. 356196 for	16,63,900*	
,, ,, 363661 ,,	700	
,, ,, 307382 ,,	500	
,, ,, 344094 ,,	500	
,, ,, ,,	300	
		16,65,900
3½ per cent. G. P. Notes of 1865 ,, ,, ,,	200	200
4 per cent. Bombay Municipal Debentures 1899-1900 No. 00574 for	1,000	
,, ,, 00162 ,,	500	
,, ,, 00948 ,,	1,000	
1909-1910 ,, 00298 ,,	500	
,, ,, 00299 ,,	500	
,, ,, 00492 ,,	500	
,, ,, 00490 ,,	1,000	
,, ,, 00491 ,,	1,000	
,, ,, 00037 ,,	500	
,, ,, 00038 ,,	500	
,, ,, 00039 ,,	500	
,, ,, 00040 ,,	500	
4 per cent. Port Trust Debentures Bombay, 1905 ,, 8117 ,,	500	
1914 ,, 2951 ,,	1,000	
,, ,, 2952 ,,	1,000	
4 per cent. Bombay Municipal Tausa Loan, 1909-10 ,, 00487 ,,	500	
,, ,, 00488 ,,	500	
,, ,, 00489 ,,	500	
4 per cent. Bombay Improvement Trust, 1903 ,, 6159 ,,	7,500	
,, ,, 4556 ,,	500	
1904 ,, 5285 ,,	1,000	
,, ,, 5286 ,,	1,000	
,, ,, 5287 ,,	1,000	
,, ,, 5288 ,,	1,000	
,, ,, 5289 ,,	1,000	
,, ,, 5290 ,,	1,000	
,, ,, 5291 ,,	1,000	
,, ,, 5292 ,,	500	
		27,500
5 per cent. U. P. Bonds 1944 No. D 000185 for	5,000	
,, ,, C 000155 ,,	1,000	
,, ,, 000141 ,,	100	
,, ,, 000142 ,,	100	
,, ,, 000143 ,,	100	
,, ,, 000144 ,,	100	
,, ,, 000145 ,,	100	
		6,500
TOTAL		36,25,900

MOTI CHAND CHAIR.

3½ per cent. G. P. Notes of 1842-43 No. 209303 for	1,17,900	
Do. 1854-55 ,, 241088 ,,	300	1,18,200
TOTAL		1,18,200

*Bank holds in over-draft account.

MANINDRA CHANDRA NANDY CHAIR.

				Rs.	Rs.
3½ per cent. G. P. Notes of, 1854-55	No.	227866 for	. . . . .	1,000	
,,	,,	22560 ,,	. . . . .	1,000	
,,	,,	223726 ,,	. . . . .	10,000	
,,	,,	225557 ,,	. . . . .	10,000	
					22,000
Do. 1900-01	,,	302983 ,,	. . . . .	25,000	
,,	,,	302984 ,,	. . . . .	25,000	
,,	,,	302985 ,,	. . . . .	25,000	
,,	,,	302986 ,,	. . . . .	25,000	
,,	,,	302981 ,,	. . . . .	25,000	
,,	,,	302982 ,,	. . . . .	25,000	
					1,50,000
				TOTAL	. 1,72,000

JAIN SWETAMBAR CHAIR OF PHILOSOPHY AND LOGIC.

3½ per cent G. P. Notes of 1854-55	No.	B 100440 for	. . . . .	25,000	
,,	,,	100441 ,,	. . . . .	25,000	
					50,000
Do. 1900-01	,,	B 129827 ,,	. . . . .	1,000	
,,	,,	362450 ,,	. . . . .	1,000	
					2,000
			TOTAL .		52,000

GENERAL PURPOSES.

3½ per cent. G. P. Notes of 1842-43	No.		. . . .	100	100

SECURITY DEPOSIT.

3½ per cent. G. P. Notes of 1865	No.	415862 for	. . . . .	1,000	
		415863 ,,	. . . . .	1,000	
					2,000
			TOTAL .		2,000

SCHOLARSHIPS AND PRIZES.

3½ per cent. G. P. Notes of 1854-55	No.	223729 for	. . . . .	50,200	
,,	,,	248803 ,,	. . . . .	500	
,,	,,	224414 ,,	. . . . .	100	
,,	,,	221193 ,,	. . . . .	500	
,,	,,	239812 ,,	. . . . .	1,400	
,,	,,	246571 ,,	. . . . .	10,000	
,,	,,	238673 ,,	. . . . .	1,000	
,,	,,	222064 ,,	. . . . .	5,000	
,,	,,	B 111747 ,,	. . . . .	1,000	
,,	,,	B 111748 ,,	. . . . .	1,000	
,,	,,	240412 ,,	. . . . .	100	
,,	,,	240413 ,,	. . . . .	100	
,,	,,	241121 ,,	. . . . .	100	
,,	,,	244910 ,,	. . . . .	10,000	
					81,000
3½ per cent. G. P. Notes of 1900-01	No.	269717 for	. . . . .	5,000	
,,	,,	269718 ,,	. . . . .	5,000	
,,	,,	333372 ,,	. . . . .	100	
,,	,,	318344 ,,	. . . . .	100	
,,	,,	341806 ,,	. . . . .	100	
,,	,,	322256 ,,	. . . . .	25,000	
,,	,,	351192 ,,	. . . . .	13,200	
,,	,,	B 033666 ,,	. . . . .	500	
,,	,,	B 063170 ,,	. . . . .	1,000	
,,	,,	B 063175 ,,	. . . . .	1,000	
,,	,,	B 063176 ,,	. . . . .	1,000	
,,	,,	B 063177 ,,	. . . . .	1,000	
,,	,,	B 109684 ,,	. . . . .	1,000	
,,	,,	360878 ,,	. . . . .	100	

SCHOLARSHIPS AND PRIZES—*contd.*

				Rs.	Rs.
3½ per cent. G. P. Notes of	1900-01	No.	360879 for.	100	
	,,	,,	B 170352 ,,	10,000	
	,,	,,	B 124644 ,,	1,000	
	,,	,,	303876 ,,	1,000	
	,,	,,	298645 ,,	500	
	,,	,,	B 128643 ,,	100	
	,,	,,	B 128644 ,,	100	
	,,	,,	B 170351 ,,	100	
	,,	,,	B 173728 ,,	100	
	,,	,,	B 173729 ,,	100	
	,,	,,	361269 ,,	500	
	,,	,,	364460 ,,	500	
	,,	,,	377267 ,,	100	
	,,	,,	.. ,,	100	
					68,400
3½ per cent. G. P. Notes of	1842-43	,,	198232 ,,	500	
	,,	,,	202896 ,,	1,000	
	,,	,,	213114 ,,	5,500	
	,,	,,	211905 ,,	1,000	
	,,	,,	210607 ,,	5,000	
	,,	,,	210616 ,,	2,000	
	,,	,,	210617 ,,	2,000	
	,,	,,	.. ,,	1,000	
					18,000
3½ per cent. G. P. Notes of	1865	,,	369903 ,,	1,400	
	,,	,,	369903 ,,	5,000	
	,,	,,	361215 ,,	2,000	
	,,	,,	343672 ,,	1,000	
	,,	,,	254437 ,,	500	
	,,	,,	249275 ,,	100	
	,,	,,	217895 ,,	100	
	,,	,,	268410 ,,	2,000	
	,,	,,	346487 ,,	1,000	
	,,	,,	346521 ,,	43,300	
	,,	,,	374377 ,,	3,600	
	,,	,,	374378 ,,	25,000	
	,,	,,	370596 ,,	500	
	,,	,,	.. ,,	2,000	
	,,	,,	.. ,,	1,000	
					88,500
3 per cent. G. P. Notes	1896-97	,,	110264 ,,	3,500	
	,,	,,	112506 ,,	1,000	
					4,500
,, ,,	1951-54	,,	.. ,,	1,000	
					1,000
4½ per cent. Loan	1955-60	,,	H 000494 ,,	5,000	
	,,	,,	D 003711 ,,	100	
	,,	,,	D 003712 ,,	100	
4½ per cent. Loan	1955-60	,,	G 002292 ,,	1,000	
	,,	,,	G 002293 ,,	1,000	
	,,	,,	F 03054 ,,	500	
	,,	,,	D 003741 ,,	100	
	,,	,,	D 003742 ,,	100	
	,,	,,	D 003743 ,,	100	
	,,	,,	D 003744 ,,	100	
	,,	,,	D 001797 ,,	1,800	
					9,900
5 per cent. Loan	1945-55	,,	057654 ,,	13,000	
	,,	,,	041961 ,,	100	
					13,100
,, ,,	1940-43	,,	D 009404 ,,	100	
					100
5½ per cent. Bonds	1938-40	,,	G 008793 ,,	1,000	
	,,	,,	G 008794 ,,	1,000	
	,,	,,	D 004849 ,,	100	
					2,100

SCHOLARSHIPS AND PRIZES—*concld.*

			Rs.	Rs.
4 per cent. Loan	1960-70	No. J 010654 for	10,000	
	,,	,, G 046862 ,, ...	1,000	
	,,	,, G 406863 ,, ...	1,000	
	,,	,, G 046864 ,, ...	1,000	
	,,	,, G 046861 ,, ...	1,000	
	,,	,, 004569 ,, ...	500	
	,,	,, 010715 ,, ...	1,000	
	,,	,, 010803 ,, ...	500	
				16,000
5 per cent. U. P. Loan of	1944	,, C 000605 ,, ...	1,000	
	,,	,, C 001086 ,, ...	1,000	
	,,	,, A 000750 ,, ...	100	
	,,	,, D 000526 ,, ...	5,000	
	,,	,, C 001279 ,, ...	1,000	
	,,	,, C 001280 ,, ...	1,000	
	,,	,, A 000323 ,, ...	100	
	,,	,, A 000324 ,, ...	100	
	,,	,, 000531 ,, ...	500	
5 per cent. U. P. Bond of	1944	,, 000532 ,, ...	100	
	,,	,, 000533 ,, ...	100	
	,,	,, 000534 ,, ...	100	
	,,	,, 000535 ,, ...	100	
	,,	,, C 001316 ,, ...	1,000	
	,,	,, 000317 ,, ...	1,000	
	,,	,, 000318 ,, ...	1,000	
	,,	,, 000319 ,, ...	1,000	
	,,	,, 000611 ,, ...	500	
				14,700
		TOTAL .		3,17,300

AYURVEDA FUND.

3½ per cent. G. P. Notes of	1854-55	No. 218154 for	1,000	
	,,	,, 229175 ,, ...	200	
	,,	,, 838672 ,, ...	1,000	
	,,	,, 229126 ,, ...	1,000	
	,,	,, 222728 ,, ...	1,000	
	,,	,, 239448 ,, ...	10,400	
				14,600
3½ per cent. G. P. Notes of	1842-43	,, 209304 ,, ...	40,800	
				40,800
3½ per cent. G. P. Notes of	1865	,, 370503 ,, ...	50,000	
	,,	,, 370508 ,, ...	50,000	
				1,00,000
5½ per cent Loan of	1938-40	,, 000844 ,, ...	10,000	
	,,	,, H 001860 ,, ...	5,000	
	,,	,, D 004850 ,, ...	100	
	,,	,, E 000432 ,, ...	200	
				15,300
		TOTAL .		1,70,700

PROVIDENT FUND.

5 per cent. U. P. Bond of	1944	No. A 000957 for	100	
	,,	,, A 000760 ,, ...	100	
	,,	,, A 000761 ,, ...	100	
	,,	,, C 001281 ,, ...	1,000	
	,,	,, D 000537 ,, ...	5,000	
	,,	,, E 000329 ,, ...	10,000	
	,,	,, F 000289 ,, ...	25,000	
	,,	,, G 000017 ,, ...	1,00,000	
	,,	,, F 000085 ,, ...	25,000	
	,,	,, F 000084 ,, ...	25,000	
	,,	,, F 000024 ,, ...	25,000	
	,,	,, F 000025 ,, ...	25,000	
	,,	,, F 000165 ,, ...	25,000	
	,,	,, D 000028 ,, ...	5,000	
	,,	,, D 000029 ,, ...	5,000	
	,,	,, 000586 ,, ...	10,000	
	,,	,, 000588 ,, ...	10,000	
	,,	,, F 000086 ,, ...	25,000	

PROVIDENT FUND—*contd.*

				Rs.	Rs.
5 per cent. U. P. Bond of 1944	No.	000587	for	5,000	
,,	,,	C 001315	,,	1,000	
,,	,,	C 001321	,,	1,000	
,,	,,	000616	,,	100	
,,	,,	000550	,,	1,000	
,,	,,	000551	,,	1,000	
,,	,,	000552	,,	1,000	
,,	,,	000553	,,	1,000	
,,	,,	C 001660	,,	1,000	
,,	,,	C 001661	,,	1,000	
,,	,,	C 001662	,,	1,000	
,,	,,	C 001663	,,	1,000	
,,	,,	C 001664	,,	1,000	
,,	,,	C 000554	,,	1,000	
,,	,,	C 000861	,,	1,000	
,,	,,	000547	,,	500	
,,	,,	000548	,,	500	
,,	,,	D 000007	,,	5,000	
,,	,,	C 000317	,,	1,000	
,,	,,	D 000022	,,	5,000	
,,	,,	000018	,,	7,000	
					3,58,400
5½ per cent. Bond of 1938-40	,,	E 000433	,,	200	
,,	,,	F 002575	,,	500	
,,	,,	G 007239	,,	1,000	
,,	,,	G 007240	,,	1,000	
,,	,,	G 007241	,,	1,000	
,,	,,	G 007242	,,	1,000	
,,	,,	K 000792	,,	25,000	
,,	,,	F 000909	,,	500	
,,	,,	000843	,,	15,000	
					45,200
4½ per cent Loan of 1955-60	,,	D 002973	,,	100	
,,	,,	001209	,,	35,000	
,,	,,	F 002006	,,	500	
,,	,,	G 005358	,,	1,000	
,,	,,	G 005359	,,	1,000	
,,	,,	G 005360	,,	1,000	
,,	,,	H 001349	,,	5,000	
,,	,,	H 001350	,,	5,000	
,,	,,	H 001351	,,	5,000	
,,	,,	H 001352	,,	5,000	
,,	,,	H 001353	,,	5,000	
,,	,,	D 002977	,,	100	
,,	,,	D 002978	,,	100	
,,	,,	D 002979	,,	100	
,,	,,	D 002980	,,	100	
,,	,,	G 000180	,,	1,000	
,,	,,	G 001709	,,	25,000	
,,	,,	G 001721	,,	10,000	
					1,00,000
5 per cent. Bonds of 1945-55	,,	011475	,,	10,000	
,,	,,	048944	,,	28,000	
5 per cent. Bonds of 1945-56	,,	050313	,,	25,000	
,,	,,	028965	,,	14,700	
,,	,,	053422	,,	2,000	
					79,700
4 per cent. Loan of 1960-70	,,	015795	,,	1,000	
					1,000
3½ per cent. G. P. Notes of 1900-01	,,	390969	,,	8,000	
					8,000
			TOTAL		5,92,300

WOMEN COLLEGE FUND.

	Rs.	Rs.
Sterling Loan to bearer for £100 No. A 00669 for	1,000	
,, ,, A 00670 ,,	1,000	
,, ,, A 00671 ,,	1,000	
,, ,, A 00672 ,,	1,000	
,, ,, A 00673 ,,	1,000	
,, ,, A 00674 ,,	1,000	
,, ,, A 00675 ,,	1,000	
,, ,, A 00676 ,,	1,000	
,, ,, A 00677 ,,	1,000	
,, ,, A 00678 ,,	1,000	
,, ,, A 00679 ,,	1,000	
,, ,, A 00680 ,,	1,000	
,, ,, A 00681 ,,	1,000	
,, ,, A 00682 ,,	1,000	
,, ,, B 000917 ,,	5,000	
,, ,, C 007394 ,,	10,000	
,, ,, C 007395 ,,	10,000	
,, ,, C 007396 ,,	10,000	
,, ,, C 007397 ,,	10,000	
,, ,, C 007398 ,,	10,000	
,, ,, C 007399 ,,	10,000	
,, ,, C 007400 ,,	10,000	
,, ,, C 007401 ,,	10,000	
,, ,, C 007402 ,,	10,000	
,, ,, C 007403 ,,	10,000	
,, ,, C 007404 ,,	10,000	
,, ,, C 007405 ,,	10,000	
,, ,, C 007406 ,,	10,000	
,, ,, C 007407 ,,	10,000	
,, ,, C 007408 ,,	10,000	
,, ,, C 007409 ,,	10,000	
,, ,, C 007410 ,,	10,000	
,, ,, C 007411 ,,	10,000	
,, ,, C 007412 ,,	10,000	
,, ,, C 007413 ,,	10,000	
		2,19,000
TOTAL		2,19,000

TEMPLE FUND.

5 per cent. U. P. Loan 1944 No. F 000072 for	25,000	
,, ,, E 000060 ,,	10,000	
,, ,, E 000145 ,,	10,000	
,, ,, E 000146 ,,	10,000	
,, ,, D 000128 ,,	5,000	
,, ,, D 000129 ,,	5,000	
		65,000
TOTAL		65,000

THE CHATURVEDI HARIBHAJAN PRASAD SCHOLARSHIPS TRUST FUND KALPI.

	Rs.	
5 per cent. U. P. Loan of 1944 No. B 000349 for	500	
,, ,, A 00056 ,,	100	
,, ,, A 000956 ,,	100	
		700
5½ per cent. Bond of 1938-40 No. F 100908 for	500	
		500
4 per cent. Loan of 1960-70 ,, 015794 ,,	9,000	
,, ,, G 046865 ,,	1,000	
,, ,, E 009727 ,,	200	
,, ,, E 009728 ,,	200	
,, ,, F 021299 ,,	500	
,, ,, D 030081 ,,	100	
		11,000
TOTAL		12,200

SWIMMING FUND.

			Rs.	Rs.
4 per cent. Loan of	1960-70 No. F 019286 for	. . .	500	
	,, ,, E 009172 ,,	. . .	200	
				700
		TOTAL .		700
		GRAND TOTAL .		53,47,400

IMPERIAL BANK OF INDIA.

Benares, 20th August 1937.

No. 17/13532.

THE PRO-VICE-CHANCELLOR,

Benares Hindu University,

Benares.

DEAR SIR,

With reference to your letter No. P/2290 of the 6th/9th instant I beg to enclose herewith a list of securities held by the Imperial Bank of India, Benares, on behalf of the Benares Hindu University as at the close of business on 31st Marth, 1937.

Yours *faithfully*,

(Sd.) Illegible,

Agent.

List of Securities held by the Imperial Bank of India, Benares, in safe custody on behalf of the Benares Hindu University, as at the close of business, on 31st March 1937.

A/C. BENARES HINDU UNIVERSITY.

	Rs.	Rs.
3½ per cent. Loan 1854-55 .	53,000	
3½ per cent. Loan 1900-01 .	700	
5 per cent U. P. Loan 1944	6,500	
4 per cent. Bombay Municipal Loan 1899-1900	2,500	
4 per cent. Bombay Municipal Loan 1909-1910	5,500	
4 per cent. Bombay Port Trust Deb. 1905 .	500	
4 per cent. Bombay Port Trust Deb. 1914 .	2,000	
4 per cent. Bombay Municipal Deb. Tansa 1909-10	500	
4 per cent. Bombay Municipal Water Loan Deb. .	1,000	
4 per cent. City of Bombay Improvement Trust 1903	8,000	
4 per cent. City of Bombay Improvement Trust 1904	7,500	
		87,700

A/C. SPECIAL FUND—KHATAU MAKANJI WOMENS EDUCATION FUND.

	Rs.	Rs.
3½ per cent. Sterling Loan Certificate to Bearer—£21,900 .	2,19,000	2,19,000

A/C. MANINDRA CHANDRA CHAIR.

3½ per cent. G. P. Notes 1854-55	22,000	
3½ per cent. G. P. Notes 1900-1	1,50,000	
		1,72,000

A/c. PROVIDENT FUND.

	Rs.	Rs.
3½ per cent. Loan 1900-1	8,000	
4 per cent. Loan 1960-70	1,000	
4½ per cent. Loan 1955-60	1,00,000	
5 per cent. Loan 1945-55	79,700	
5 per cent. U. P. Loan 1944	3,58,400	
5½ per cent. Loan 1938-40	45,200	
		5,92,300

A/c. SCHOLARSHIP.

3 per cent. Loan 1951-54	1,000	
3 per cent. Loan 1896-97	4,500	
3½ per cent. Loan 1854-55	81,000	
3½ per cent. Loan 1900-1	68,400	
3½ per cent. Loan 1865	88,500	
3½ per cent. Loan 1842-43	18,000	
4 per cent. Loan 1960-70	16,000	
4½ per cent. Loan 1955-60	9,900	
5 per cent. Loan 1945-55	13,100	
5 per cent. U. P. Loan 1944	14,700	
5 per cent. Loan 1940-43	100	
5½ per cent. Loan 1938-40	2,100	
		3,17,300

A/c. MOTICHAND CHAIR.

3½ per cent. Loan 1842-43	1,17,900	
3½ per cent. Loan 1854-55	300	
		1,18,200

A/c. CHATURVEDI HARIBHAJAN PRASAD SCHOLARSHIP FUND, KALPI.

	Rs.	
4 per cent. Loan 1960-70	11,000	
5 per cent. U. P. Loan 1944	700	
5½ per cent. Loan 1938-40	500	
		12,200

A/c. AYURVEDIC FUND.

3½ per cent. LOAN 1854-55	14,600	
3½ per cent. Loan 1842-43	40,800	
3½ per cent. Loan 1865	1,00,000	
5½ per cent. Loan 1938-40	15,300	
		1,70,700

A/c. TEMPLE FUND.

5 per cent. U. P. Loan 1944	65,000	
		65,000

GENERAL ACCOUNT.

3½ per cent. Loan 1900-1	1,000	
3½ per cent. Loan 1854-55	1,000	
		2,000

A/c. SHRI JAIN SWETAMBER CONFERENCE CHAIR.

3½ per cent. Loan 1854-55	50,000	
3½ per cent. Loan 1900-1	2,000	
		52,000
		18,08,400

Rupees Eighteen Lacs eight thousand four hundred only.

SECURITIES HELD AGAINST OVERDRAFT.

3½ per cent. Loan 1854-55	18,71,800	
3½ per cent. Loan 1900-1	16,63,900	35,35,700

Rupees thirty-five lacs thirty-five thousand seven hundred only.

I hereby certify that the above mentioned securities were held by the Imperial Bank of India, Benares, on behalf of Benares Hindu University as at the close of business on 31st March 1937.

(Sd.) Illegible,

For Imperial Bank of India, Agent, Benares.

20th August 1937.

CENTRAL HINDU SCHOOL BOARD, BENARES.

Statement of Special Funds (closing Balances) on March 31, 1937.

	Rs.	Rs.
1. Vidyarthi Sahayak Sabha (List of securities with the Treasurer Charitable Endowments V. P.)		55,600

No.	Loan.	Amount.
382635	3½ per cent. 1865	300
406777/779	,, ...	3,000
407263	,, ...	1,000
409031	,, ...	25,000
413582	,, ...	1,000
412266	,, ...	200
208502	3½ per cent. 1842-43	100
221463	,, ...	500
222997	,, ...	1,000
223008/010	,, ...	3,000
258743	3½ per cent. 1854-55	800
257291	,, ...	5,000
256690	,, ...	700
033777	3½ per cent. 1879	700
387911/913	3½ per cent. 1900-01	300
391275/277	,, ...	3,000
341354	,, ...	10,000
		55,600

	Rs.	Rs.
2. Provident Fund of Teachers of C. H. School (Participating in Government Provident Fund Scheme for teachers in non-pensionable service)in the Post Office Savings Bank .	..	23,104 11 9
3. Central Hindu School Special Fee Funds in Post office Savings Bank	4,280 11 10	
in Bank	575 0 0	
in hand	341 12 1	
	5,197 7 11	5,197 7 11
4. Provident Fund of Teachers of C. H. Girls School (Participating in Government Provident Fund Scheme for teachers in non-pensionabl service) in the Post Office Savings Bank		9,072 13 1
5. Central Hindu Girls School Special Fee Funds . . .		1,493 12 9
Total . .		94,468 13 6

(Sd.) G. PANDE,

Secretary,

Central Hindu School Board, Benares.

Name of Donor.	Number and date of the letter of authority.	Capitalised value of the perpetual grants calculated at $3\frac{1}{2}$ per cent.	Perpetual grants per annum.	Payment received during the year 1936-37. Date.	Payment received during the year 1936-37. Amount.	Remarks.
		Rs. A. P.	Rs. A. P.		Rs. A. P.	
1. The Government of India	Government of India, Department of Education letter No. 1017-Edn., dated 29th May 1929.	85,71,428 9 3	3,00,000 0 0	25th July 1936 17th March 1937 20th March 1937	1,35,000 0 0 30,000 0 0 1,35,000 0 0	
2. His Highness Raj Rajeshwar Maharaja Dhiraj Shri Umaid Singh Ji Bahadur of Jodhpur.	Finance Member of Council, letter No. 287-J. D.-31, dated the 7th February 1913, forwarding copy of proceedings of the Meeting of Council of Regency, Marwar State, dated the 4th February 1913.	6,85,714 4 $6\frac{6}{7}$	24,000 0 0	..	..	
3. Major-General His Highness Maharaja Sir Hari Singhji Bahadur, G.C.S.I., G.C.I.E., of Kashmir.	Chief Minister's Office letter No. 5602/G.-37-11, dated the 14th October 1919.	3,42,857 2 $3\frac{3}{7}$	12,000 0 0	28th July 1936 12th February 1937.	12,000 0 0 12,000 0 0	
4. Colonel H. H. Raj Rajeshwar Narendra Shiromani Shri Maharajadhiraj Sir Ganga Singh Bahadur, G.C.S.I., G.C.I.E., LL.D., of Bikaner.	Office of the Home Member of Council of Bikaner State D. O. No. 253, dated the 25th September 1913, forwarding the terms.	3,42,857 2 $3\frac{3}{7}$	12.000 0 0	25th January 1937.	12,000 0 0*	
5. H. H. Raj Rana Sir Bhawani Singh Bahadur, K.C.S.I., of Jhalawar.	Foreign Member letter No. 67/1916, dated the 17th January 1916.	28,571 6 $10\frac{2}{7}$	1,000 0 0	..	..	
6. H. H. Sir Jagatjit Singh Bahadur, G.C.S.I., of Kapurthala.	H. H.'s letter, dated the 27th January 1915, addressed to the Maharajah of Darbhanga, and letter No. 562, dated 15th May 1923.	1,71,428 9 3	6,000 0 0	13th April 1936	3,000 0 0	
7. H. H. Farzand-i-Khas-Daulat-i-Englishia Mansur-ul-zaman Amir-ul-umra, Maharaja Dhiraj Rajeshwar Sri Maharaja-i-Rajgan Maharaja Bhupendra Singh Mahinder Bahadur, G.C.I.E., of Patiala (Punjab).	Farman-i-Sahi No. 38, dated 24th April 1918, forwarded with Foreign Secretary's letter No. 1969, dated 13th May 1918.	6,85,714 4 6	24,000 0 0	..	..	
8. H. H. Sir Shree Ram Varma, G.C.I.E., of Cochin.	Diwan's letter C. No. P.-588/04—I. & M. D., dated 26th March 1930.	1,71,428 9 0	6,000 0 0	12th Oct. 1936	6,000 0 0	
		1,10,00,000 0 0	3,85,000 0 0		3,45,000 0 0	
9. His Highness Maharaja of Travancore .			[illegible]	25th June 1936	5,000 0 0	
10. His Highness Nawab Sahib of Rampur. .			6,000 0 0	21st April 1936 23rd April 1936 16th February 1937. 25th February 1937.	6,000 0 0 6,000 0 0	
11. His Highness Maharaja Sahib of Tehri .			6,000 0 0	6th July 1936 .	6,000 0 0	
Total .		1,10,00,000 0 0	4,07,000 0 0		3,68,000 0 0	

*Rs, 12,000 yearly less Rs. 4,200 earmarked for Scholarships.

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 3.

Showing details of Advance outstanding at 31st March 1937.

(Annexure to Balance Sheet as at 31st of March 1937.)

Serial No.	Names.	Purpose.	Opening Balance. Rs. A. P.	Advances during the year. Rs. A. P.	Total. Rs. A. P.	Refund by cash or adjustment. Rs. A. P.	Closing Balance on the 31st March 1937. Rs. A. P.	Remarks.
1	Prof. N. P. Gandhi	Current expenses	7,423 5 7	743 10 0	8,166 15 7	942 11 6	7,224 4 1	
2	Manager, Gyan Mandal Press	Printing	199 15 3	1,173 5 6	1,373 4 9	..	1,373 4 9	
3	Chief Medical Officer, B. H. U..	Apparatus	7,326 3 1	50 0 0	7,376 3 1	4,273 12 6	3,102 6 7	
4	The Registrar, B. H. U.	Current expenses	4,012 6 6	200 0 0	4,212 6 6	500 0 0	3,712 6 6	
5	Sardar Dogar Singh	Do.	2,001 1 6	185 0 0	2,186 1 6	906 11 3	1,279 6 3	
6	Dr. A. B. Misra, Zoology Department	Do.	1,785 9 3	372 14 6	2,158 7 9	372 14 6	1,785 9 3	
7	Mr. V. A. Sundaram, Collection Committee	Travelling	2,855 15 0	1,340 0 0	4,195 15 0	3,113 14 6	1,082 0 6	
8	Dr. S. S. Joshi, Chemistry Department	Apparatus	2,346 14 0	630 14 0	2,977 12 0	579 5 0	2,498 7 0	
9	Dr. Bhola Nath Singh	Do.	1,081 0 6	553 0 0	1,634 0 6	201 6 6	1,432 10 0	
10	Messrs. Scientific Supplying and Engineering Co., Benares.	Furniture	17,103 4 7	..	17,103 4 7	3,075 3 0	14,028 1 7	
11	The Principal, T. T. College	Current expenses	318 6 9	1,825 11 3	2,144 2 0	808 10 0	1,335 8 0	
12	Mr. Deo Nandan Singh, Contractor	Do.	1,680 0 0	..	1,680 0 0	..	1,680 0 0	
13	The Honorary Treasurer, C. H. C. Common Room.	Common Room Exp.	1,710 0 6	100 0 0	1,810 0 6	180 0 6	1,630 0 0	
14	Messrs. Scientific Instrument Co., Allahabad.	..	—1,494 10 0	..	—1,494 10 0	..	—1,494 10 0	
15	Messrs. Education Supplying Co., Benares	Stationery	—1,167 13 0	..	—1,167 13 0	..	—1,167 13 0	
16	Messrs. U. P. Stores	..	589 13 0	1,343 12 3	1,933 9 3	104 3 0	1,829 6 3	
17	Pt. Govind Malaviya, M.A., LL.B.	..	..	4,000 0 0	4,000 0 0	..	4,000 0 0	
18	Miscellaneous	..	28,421 4 10	30,437 12 8	58,859 1 6	46,168 4 4	12,690 13 2	
	Total	..	76,192 13 4	42,956 0 2	1,19,148 13 6	61,127 0 7	58,021 12 11	

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 4.

Of Investments of Provident Fund.

(Annexure to Balance Sheet as at 31st of March 1937.)

Particulars.	Amount invested in G. P. Notes and other securities.	Amount of interest realized during the year 1936-37.
	Rs. A. P.	Rs. A. P.
Amount invested in G. P. Notes and other securities :—		
(*a*) 5 per cent. U. P. Bonds of 1944	3,28,400 0 0	16,399 4 0
" " "	30,000 0 0	0 0 0
(*b*) 5½ per cent. Bonds of 1938-40	45,200 0 0	2,482 12 0
(*c*) 5 per cent. Loan of 1945-55	79,700 0 0	3,980 0 0
(*d*) 4½ per cent. Loan of 1955-60	1,00,000 0 0	4,494 0 0
(*e*) 4 per cent. Loan of 1960-70	1,000 0 0	39 12 0
(*f*) 3½ per cent. G. P. Notes of 1900-01	8,000 0 0	279 4 0
Total	5,92,300 0 0	27,675 4 0
Cash in hand for investment	1,67,267 6 1	4,646 0 0
Total	7,59,567 6 1	32,321 4 0

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 4-A.

Abstract of the Provident Fund account of the B. H. U. for the year 1936-37.

(Annexure to the Balance Sheet as at 31st of March 1937.)

Details of Receipts.	Receipt.		Details of Expenditure.	Payments.		Remarks.
	Government Security.	Cash.		Government Securities.	Cash.	
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.	
Opening Balance	5,62,300 0 0	1,51,661 9 7	1. Final Payment to employees	..	43,797 10 6	
1. Sale of Securities	..	..	2. Loan to employees	..	20,271 6 0	
2. Subscription received from the employees	..	39,931 9 6	3. Securities Redeemed	..	..	
3. Contribution by the University	..	19,965 12 9	4. Discount on purchase of securities	..	4,500 0 0	
4. Interest on Securities and Cash	..	32,321 4 0	5. Purchase of Securities	..	30,000 0 0	
5. Recoveries on Loan Account	..	21,956 2 9				
6. Securities purchased	30,000 0 0	..	Closing Balance	5,92,300 0 0	1,67,267 6 1	
Total	5,92,300 0 0	2,65,836 6 7	Total	5,92,300 0 0	2,65,836 6 7	

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 5.

Account of Endowments for Scholarships, Prizes and Medals for the year 1936-37.

Serial No.	Names of Endowments.	Capital.	Balance on 1st April 1936.	Receipts during 1936-37.	Total.	Payments during 1936-37.	Balance.	Remarks.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	SPECIAL FUND SCHOLARSHIP AND PRIZES.							
	1. *University.*							
1	Swami Madhusudanand Saraswati Matar Shanker Vedant Prize (Invested in G. P. Notes.)	2,900 0 0	1,539 4 0	101 8 0	1,640 12 0	..	1,640 12 0	
2	(a) Birla Scholarships	..	—4,844 5 10	..	—4,844 5 10	..	—4,844 5 10	
	(b) Birla Other Scholarships	..	674 5 6	..	674 5 6	157 11 0	516 10 6	
3	Sonepur Estate Medal	..	698 6 11	51 5 2	749 12 1	..	749 12 1	
4	Kotumal Scholarship	..	—27 1 6	..	—27 1 6	..	—27 1 6	
5	Shanker Lakshmi Scholarship (Invested in G. P. Notes)	25,800 0 0	11,489 12 6	1,158 8 0	12,648 4 6	1,159 8 0	11,488 12 6	
6	Pt. Aditya Ram Griffith Ramayan Scholarships (Invested in G. P. Notes).	1,700 0 0	773 8 0	59 8 0	833 0 0	..	833 0 0	
7	Narayan Lal Bansi Lal Scholarships }	..	—155 0 0	..	—155 0 0	..	—155 0 0	
7a	Do to Mahabir Singh }		50 0 0	..	50 0 0	..	50 0 0	
8	Akhauri Babu Prem Narain Annakshetra	..	—50 0 0	..	—50 0 0	..	—50 0 0	
9	D. G. Goswami Research Scholarship	..	25 0 0	..	25 0 0	..	25 0 0	
10	Prabhu Datt Shashtry Scholarship	..	55 0 0	..	55 0 0	..	55 0 0	
11	A Lakshmipati Prize (Invested in G. P. Notes)	100 0 0	29 5 0	4 7 0	33 12 0	..	33 12 0	
12	Geeta Fund Scholarship	..	..	64 0 0	64 0 0	64 0 0	..	
13	Madhoji & Co. Scholarships (Invested in G. P. Notes)	500 0 0	230 11 11	22 7 0	253 2 11	..	253 2 11	
14	Shri Krishna Scholarship	..	297 0 0	..	297 0 0	100 0 0	197 0 0	
15	S. Kuppa Swami Vedant Scholarship	..	100 0 0	..	100 0 0	..	100 0 0	
16	The Narsingh Pershad Hari Pershad Buch Metaphysics Prize (Invested in G. P. Notes)	6,000 0 0	4,576 3 9	209 12 0	4,785 15 9	..	4,785 15 9	
17	Chandu Lal Chhote Lal Mehta Prize (Invested in G. P. Notes)	7,600 0 0	1,691 8 6	265 12 0	1,957 4 6	..	1,957 4 6	
18	Ratanchand Dalpatram Shah Scholarship (Invested in shares of Companies).	10,500 0 0	2,242 4 9	735 0 0	2,977 4 9	570 0 0	2,407 4 9	
19	Radha Krishen Joshi	..	191 13 0	..	191 13 0	..	191 13 0	
20	The Chaturvedi Haribhajan Pershad Scholarship Trust Fund Kalpi (Invested in G. P. Notes).	12,200 0 0	311 5 8	606 8 0	917 13 8	778 0 0	139 13 8	
	In cash	3,500 0 0						
21	Baboo Nandan Inder Attarwala Scholarship (Invested in G. P. Notes).	10,300 0 0	407 2 0	360 2 0	767 4 0	315 0 0	452 4 0	
22	Rameshwar Choubey Scholarship (Invested in Building & cash).	3,440 7 2	97 6 0	267 5 0	364 11 0	..	364 11 0	
23	Girishchandra Chaturvedi Scholarship	..	5 0 0	..	5 0 0	..	5 0 0	
24	Shanker Dayal Scholarship in cash	150 0 0	8 9 0	4 8 0	13 1 0	..	13 1 0	
25	Shri Durga Devi Iswari Dutt Joshi Gita Trust Scholarship (In G. P. Notes).	1,000 0 0	..	52 3 0	52 3 0	..	52 3 0	
26	Depressed class Scholarships	..	—5 0 0	155 0 0	150 0 0	125 0 0	25 0 0	
	Total	85,690 7 2	20,412 3 2	1,117 13 2	24,530 0 4	3,269 3 0	21,260 13 4	

STATEMENT No. 5—*contd.*

Serial No.	Names of Endowments.	Capital.	Balance on 1st April 1936.	Receipts during 1936-37.	Total.	Payments during 1936-37.	Balance.	Remarks.
	2. *Colleges.*	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	(*a*) SCHOLARSHIPS, PRIZES AND MEDALS GIVEN TO CENTRAL HINDU COLLEGE.							
1	Pt. Dinanath Kak Scholarship (Invested in G. P. Notes)	2,000 0 0	1,400 0 0	70 0 0	1,470 0 0	..	1,470 0 0	
2	The Annie Besant Prize (Invested in G. P. Notes)	500 0 0	355 2 3	17 8 0	372 10 3	..	372 10 3	
3	The Mansukhram Surajram Tripathi Scholarship (Invested in G. P. Notes).	850 0 0	599 9 3	29 4 0	628 13 3	..	628 13 3	
4	The Bhawani Shanker Prize (Invested in G. P. Notes)	900 0 0	539 0 0	31 0 0	570 0 0	..	570 0 0	
5	The Ganga Shanker Sukhchand Scholarship (Invested in G. P. Notes).	1,000 0 0	150 5 6	35 0 0	185 0 0	35 0 0	150 5 6	
6	J. S. Gadgil Scholarship (Invested in G. P. Notes)	7,000 0 0	1,038 7 0	244 12 0	1,283 3 0	194 0 0	1,089 3 0	
7	Munshi Beharilal Prize (Invested in G. P. Notes)	650 0 0	399 12 0	22 12 0	422 8 9	..	422 8 9	
8	Raja Uditnarain Rai Scholarship (Invested in G. P. Notes).	2,000 0 0	536 3 0	70 0 0	606 3 0	..	606 3 0	
9	Shahpura State Scholarship	..	..	..	..	..	..	
10	B. Jugal Kishore Tandon Scholarship (Invested in G. P. Notes)	1,000 0 0	210 0 0	35 0 0	245 0 0	..	245 0 0	
11	The Hari Sukh Prize (Invested in G. P. Notes)	200 0 0	135 0 0	7 0 0	142 0 0	..	142 0 0	
12	Rai Gokulchand Bahadur Scholarship (Invested in G. P. Notes)	2,000 0 0	156 8 0	70 0 0	226 8 0	52 0 0	174 8 0	
13	Thakur Kokersay Jadavji Sanatandharma Scholarship (Invested in G. P. Notes).	1,000 0 0	305 1 8	35 0 0	340 1 8	22 8 0	317 9 8	
14	Pt. Hari Kishen Scholarship (Invested in G. P. Notes)	10,000 0 0	1,060 14 2	349 10 0	1,410 8 2	300 0 0	1,110 8 2	
15	Kuar Dakshineshwar Malia Memorial Scholarship (Invested in G. P. Notes).	5,000 0 0	474 7 0	174 13 0	649 4 3	145 0 0	504 4 3	
16	The Uttama Scholarship	..	378 0 0	..	378 0 0	..	378 0 0	
17	A. T. Banerjee Scholarship (Invested in G. P. Notes)	350 0 0	2 0 0	12 4 0	14 4 0	..	14 4 0	
18	The Gunaria Prize (Invested in G. P. Notes)	500 0 0	332 8 0	17 8 0	350 0 0	..	350 0 0	
19	Rai Bahadur Mata Pershad Medal and Prize (Invested in G. P. Notes).	500 0 0	69 15 6	17 8 0	87 7 6	..	87 7 6	
20	Amarnath Trust Scholarship (Remits Rs. 30 per mensem)	..	635 0 0	..	635 0 0	300 0 0	335 0 0	
21	Dr. Basudeva Sahai Medal (Invested in G. P. Notes)	1,500 0 0	348 9 6	52 8 0	401 1 6	41 15 6	359 2 0	
22	Pt. Vishwanath Shastri Lote Prize (Invested in G. P. Notes)	1,000 0 0	798 8 0	35 0 0	833 8 0	..	833 8 0	
23	Pt. Debi Pershad Agnihotri Memorial Prize (Invested in G. P. Notes).	1,000 0 0	796 4 0	35 0 0	831 4 0	..	831 4 0	
24	Krishna Kumari Devi Scholarship	..	—59 0 0	..	—59 0 0	..	—59 0 0	
25	Devi Pershad Thakur Kiran Scholarship	..	90 0 0	..	90 0 0	..	90 0 0	
26	Bashudeva Scholarship	..	50 0 0	..	50 0 0	..	50 0 0	
27	Dr. P. C. Roy Scholarship	..	204 0 0	..	204 0 0	..	204 0 0	
28	Prof. N. C. Nag Scholarship	..	100 0 0	..	100 0 0	..	100 0 0	
29	Pt. Kanhaiyalal Scholarship (Invested in G. P. Notes) 9,500; Cash 500	10,000 0 0	211 13 2	526 1 0	737 14 2	277 8 0	460 6 0	
30	The Bikaner Durbar Scholarship Capitalised Value of Rs. 4,200 grant.	1,20,000 0 0	—7,455 0 0	8,080 0 0	625 0 0	6,154 14 0	—5,529 14 0	
31	Jiwanlal Panna Lal Scholarship (Invested in G. P. Notes)	10,000 0 0	1,214 4 0	349 10 0	1,563 14 0	395 0 0	1,168 14 0	
32	Rai Chandi Pershad Scholarship (Invested in G. P. Notes)	6,000 0 0	668 10 6	209 12 0	878 6 6	123 14 6	754 8 0	
33	Gomati Bahu Scholarship (Invested in War Bonds)	2,000 0 0	49 9 0	99 14 0	149 7 0	100 0 0	49 7 0	
34	Sir Aga Khan Scholarship (Invested in G. P. Notes)	5,000 0 0	233 9 0	174 13 0	408 6 0	150 0 0	258 6 0	
35	Vohra Karuna Shanker Jetha Bhai Scholarship (Invested in G. P. Notes).	2,100 0 0	221 10 5	115 4 0	336 14 5	120 0 0	216 14 5	
36	Mr. P. B. Chantawani Scholarship	..	8 0 0	..	8 0 0	..	8 0 0	

37	Pt. M. M. Malaviya Gold Medal (Invested in G. P. Notes)	1,100 0 0	78 1 3	44 15 0	123 0 3	..	123 0 3
38	Kumar Singh Scholarship (Invested in G. P. Notes)	5,800 0 0	1,643 6 0	202 12 0	1,846 2 0	100 0 0	1,746 2 0
39	Ranbir Singh Medal (Invested in G. P. Notes)	1,000 0 0	53 15 0	35 0 0	88 15 0	38 13 0	50 2 0
40	Ranka Raj Scholarship	..	90 0 0	..	90 0 0	..	90 0 0
41	Government Scholarship for Ceramic students	..	665 15 10	707 8 0	1,373 7 10	587 8 0	785 15 10
42	Mysore Government Scholarship for Ceramic students	..	188 8 9	455 0 0	643 8 9	455 0 0	188 8 9
43	Jagmal Raja Scholarship	..	90 0 0	..	90 0 0	..	90 0 0
44	Wagle Memorial Gold Medal Prize Fund (Invested in G. P. Notes)	2,800 0 0	166 12 6	125 12 0	292 8 6	117 1 6	175 7 0
45	R. B. Munshi Shiva Pershad Sahib of Etawah Gold Medal (Invested in G. P. Notes).	1,500 0 0	—45 12 6	52 8 0	6 11 6	55 14 0	—49 2 6
46	Dr. Birbal Sahani Scholarship (Invested in G. P. Notes)	500 0 0	159 13 0	19 15 0	179 12 0	..	179 12 0
47	Chowdhary Bishambhar Nath Misra, B.A., of Jaipur Memorial Medal (Invested in G. P. Notes).	500 0 0	55 5 2	14 14 0	70 3 2	..	70 3 2
48	Ramchandra Mukerji Scholarship (Invested in G. P. Notes)	13,400 0 0	2,630 8 3	468 8 0	3,099 0 3	..	3,099 0 3
49	Pt. Harihar Pershad Dube Scholarship (Invested in G. P. Notes)	5,100 0 0	324 12 7	178 5 0	503 1 7	162 0 0	341 1 7
50	Vice-Chancellor's Scholarship	..	170 0 0	..	170 0 0	..	170 0 0
51	A " Friend's " Donation for Scholarship	..	10 0 0	..	10 0 0	..	10 0 0
52	Musammat Basmato Koer Scholarship (Invested in G. P. Notes)	17,000 0 0	929 2 0	594 4 0	1,523 6 0	580 0 0	943 6 0
53	Research Scholarship for Economics Department	..	540 0 0	..	540 0 0	..	540 0 0
54	Seth Thanmal Sigatia Scholarship (Invested in G. P. Notes)	10,000 0 0	348 15 0	349 8 0	698 7 0	260 0 0	438 7 0
55	Barwani State Scholarship	..	—90 0 0	..	—90 0 0	..	—90 0 0
56	Maharaja Shri Ghanshyam Singhji Drangadhra Scholarship (Invested in G. P. Notes).	15,000 0 0	172 12 0	524 4 0	697 0 0	550 0 0	147 0 0
57	Babu Bhagwati Saran Singh Scholarship (Invested in landed property).	10,000 0 0	459 3 1	550 12 3	1,009 15 4	452 8 0	557 7 4
58	Batra Scholarship (In landed property)	6,000 0 0	208 0 0	21 0 0	229 0 0	108 0 0	121 0 0
59	K. P. Devasthala Prize (Invested in G. P. Notes) . 650 In Cash . 32 1 0	682 1 0	10 11 5	23 8 0	34 3 5	21 7 0	12 12 5
60	Sitab Devi Scholarship (Cash)	457 5 0	18 4 0	13 11 0	31 15 0		31 15 0
61	Government Scholarship (for Mr. Bamdeo Bharthwal).	..	..	120 0 0	120 0 0	120 0 0	..
62	Jalalpur Kalyan Scholarship	..	180 0 0	1,080 0 0	1,260 0 0	1,080 0 0	180 0 0
63	R. B. Th. Jagannath Singh of Moradabad (Trust)	..	120 0 0	..	120 0 0	..	120 0 0
64	L. Nathua Scholarship	..	25 0 0	10 0 0	35 0 0	..	35 0 0
65	Silver Wedding Scholarship	..	40 8 0	460 8 0	501 0 0	160 8 0	340 8 0
66	Jai Dayal Dalmia's Mother Scholarship	..	2,559 5 9	7,000 0 0	9,559 5 9	7,200 0 0	2,359 5 9
67	Rajgarh State Scholarship	..	..	192 0 0	129 0 0	156 0 0	36 0 0
68	Harijan Sewak Sangh Scholarship	..	20 0 0	60 0 0	80 0 0	60 0 0	10 0 0
69	Kotah State Scholarship	..	..	39 6 0	39 6 0	39 6 0	..
70	Gonda District Board Scholarship	..	20 0 0	40 0 0	60 0 0	60 0 0	..
71	C. P. Trust Scholarship	..	..	470 0 0	470 0 0	450 0 0	20 0 0
72	Sir William Ding Scholarship	..	—8 0 0	32 0 0	24 0 0	32 0 0	—8 0 0
73	Banda District Board Scholarship	..	..	..	..	..	..
74	The Chief Saheb of Ichalkaranji Scholarship in Cash	10,000 0 0	25 0 0	300 0 0	325 0 0	250 0 0	75 0 0
75	D. B. Desai Scholarship in Cash	1,000 0 0	17 8 0	30 0 0	47 8 0	..	47 8 0
76	Akhil Bharat Marwari Jatiya Kosha Scholarship, Bombay	..	..	770 0 0	770 0 0	770 0 0	..
77	Balrampur State Scholarship	..	45 0 0	410 0 0	455 0 0	292 0 0	163 0 0
78	Berar Province Harijan Sewak Sangh Scholarship	..	10 0 0	..	10 0 0	..	10 0 0
79	K. O. S. S. Bhusawal Scholarship	..	4 14 0	..	4 14 0	..	4 14 0
80	Garhwal Chhatriya Scholarship	..	..	24 0 0	24 0 0	24 0 0	..
81	Maharaja Puran Chand Scholarship	..	..	45 0 0	45 0 0	45 0 0	..
82	S. C. Ghosh Scholarship	..	..	47 15 6	47 15 6	41 15 6	6 0 0
83	Chhedilal Chandrika Scholarship	..	..	120 0 0	120 0 0	..	120 0 0
84	Rajarshi State Scholarship (In house property)	40,000 3 0	—654 5 6	1,308 10 6	654 5 0	742 10 3	—88 5 3
85	Pt. Laxman Das Scholarship (Invested in Guest House)	11,000 0 0	..	480 0 0	480 0 0	..	480 0 0
	Total	3,46,889 6 0	17,541 15 6	28,338 5 3	45,880 4 9	23,423 7 3	22,456 13 6

STATEMENT No. 5—*contd.*

Serial No.	Names of Endowments.	Capital.	Balance on 1st April 1936.	Receipts during 1936-37.	Total.	Payments during 1936-37.	Balance.	Remarks.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	2 (*b*)]							
	SCHOLARSHIPS AND PRIZES FOR STUDENTS OF THE COLLEGE OF ORIENTAL LEARNING.							
1	Mahant Satish Chandra Giri Scholarship (charges upon landed properties).	1,00,000 0 0	1,807 6 10	..	1,807 6 10	..	1,807 6 10	
2	Jagannath Das Bajoria Fund (Remits Rs. 1,500 per annum).	..	603 1 9	1,500 0 0	2,103 1 9	1,423 6 0	679 11 9	
3	Vaidya Thakur Datta Sharma Scholarship (In vested in G. P. Notes)	4,500 0 0	455 4 0	134 12 0	590 0 0	96 0 0	494 0 0	
4	Seth Asanand Pokhardas Bidani Scholarship (Invested in G. P. Notes).	3,400 0 0	361 8 0	118 14 0	480 6 0	70 0 0	410 6 0	
5	Shastrartha Prize	..	—22 11 0	..	—22 11 0	..	—22 11 0	
6	Seth Jugal Kishore Birla for winter clothing to students	..	60 0 0	..	60 0 0	..	60 0 0	
7	Pt. Govind Ram Scholarship in Cash.	1,300 0 0	133 2 0	39 0 0	172 2 0	6 0 0	166 2 0	
8	Ramakashi Prize (Invested in G. P. Notes)	500 0 0	36 3 8	14 14 0	51 1 8	..	51 1 8	
9	Dwarka Das Bhai Scholarship	..	28 0 0	..	28 0 0	..	28 0 0	
10	Mahabir Pershad Dwibedi Scholarship (Invested in G. P. Notes)	6,400 0 0	282 1 0	223 12 0	505 13 0	195 0 0	310 13 0	
11	Seth Net Ram Nand Ram Sanskrit Scholarship (Invested in G. P. Notes).	7,200 0 0	726 14 0	251 12 0	978 10 0	164 0 0	814 10 0	
12	Kaviraj Brijmohan Ray Medal (Invested in G. P. Notes)	1,500 0 0	128 6 0	59 14 0	188 4 6	55 14 0	132 6 6	
13	Pt. Yoganadutta Bholladutta Scholarship (Invested in landed properties).	30,000 0 0	—38 4 5	368 9 3	330 4 10	483 0 0	—152 11 2	
14	Dr. Chandra Dutt Pandey Scholarship (Invested in G. P. Notes)	2,000 0 0	269 12 0	99 14 0	369 10 0	40 0 0	329 10 0	
15	Pt. Banwari Lal Gaur and Mahadevi Scholarships (Invested in G. P. Notes).	5,100 0 0	—55 3 0	254 11 0	199 8 0	232 0 0	—32 8 0	
16	Bhaiyalal Pannalal Scholarship	..	38 0 0	..	38 0 0	..	38 0 0	
17	Tulsiram Pathak Scholarship. (Invested in G. P. Notes)	8,500 0 0	792 15 0	297 4 0	1,090 3 0	146 10 0	943 9 0	
18	Lalta Pershad Scholarship (Invested in G. P. Notes . . 1,400 (Cash . . 100	1,500 0 0	96 12 0	52 0 0	148 12 0	32 4 0	116 8 0	
19	Sanskrit Debate Prize (cash)	600 0 0	—7 10 5	18 0 0	10 5 7	21 0 0	—10 10 5	
20	C. P. Government Scholarship	..	..	960 0 0	960 0 0	960 0 0	..	
21	Deva Narayan Chaturvedi Scholarship in G. P. Notes.	2,000 0 0	88 11 5	69 12 0	158 7 5	28 0 0	130 7 5	
22	Pt. Lakshmi Narayan Vaidya Scholarship (cash)	2,000 0 0	15 0 0	60 0 0	75 0 0	77 11 0	—2 11 0	
23	Nidgundi Scholarship	..	..	39 8 0	39 8 0	39 8 0	..	
24	Bhagalkot Scholarship	..	..	15 12 0	15 12 0	15 12 0	..	
25	Chairman, District Board Tezpura (Assam) Scholarship	..	..	20 0 0	20 0 0	20 0 0	..	
26	Vedacharya Medal	..	..	60 0 0	60 0 0	54 11 0	5 5 0	
27	Maithil Mahasabha Scholarship	..	..	6 0 0	6 0 0	..	6 0 0	
28	Patiala State Scholarship	..	20 0 0	180 0 0	200 0 0	180 0 0	20 0 0	
29	Rai Bareely Scholarship	..	8 0 0	96 0 0	104 0 0	88 0 0	16 0 0	
30	Basti District Board	..	..	204 0 0	204 0 0	187 0 0	17 0 0	
	Total 2 (b)	1,76,500 0 0	5,827 5 4	5,144 4 3	10,971 9 7	4,615 12 0	6,335 13 7	

No.	Particulars						
	2 (c)						
	Government Scholarships given to the students of T. T. College	..	166 0 0	3,600 0 0	3,766 0 0	3,200 0 0	566 0 0
	Total 2 (c)	..	166 0 0	3,600 0 0	3,766 0 0	3,200 0 0	566 0 0
	2 (d)						
	SCHOLARSHIPS, PRIZES AND MEDALS FOR THE STUDENTS OF THE ENGINEERING COLLEGE AND MINING AND METALLURGY.						
1	Akhauri Babu Prem Narayan Scholarship (Invested in landed properties).	10,000 0 0	6,062 5 0	453 8 10	6,515 13 10	250 0 0	6,265 13 10
2	Lala Ratan Chand Khannah Scholarship (Invested in G. P. Notes).	5,000 0 0	—121 8 0	224 12 0	103 4 0	120 0 0	—16 12 0
3	(1) Babu Bholanath Barua Scholarship (Invested in House property included in general fund).	..	4,162 1 9	1,000 0 0	5,162 1 9	740 0 6	4,422 1 3
	(2) Prince of Wales Gold Medal	..	..	..	250 0 0	250 0 0	..
4	U. P. Government Scholarships	..	250 0 0	..	1,004 13 5	1,004 13 5	..
5	C. P. Government Scholarships	..	35 0 0	969 13 5	16 0 0	..	16 0 0
6	Madras Government Scholarship	..	16 0 0	..	63 4 0	..	63 4 0
7	D. B. Howrah Scholarships	..	..	63 4 0	170 0 0	135 0 0	35 0 0
8	U. P. Zemindar Association Scholarship	..	20 0 0	150 0 0	310 0 0	240 0 0	70 0 0
9	Dabholkar Scholarship	..	..	310 0 0	420 0 0	420 0 0	..
10	Hansraj Pragji Thackersey Scholarship	..	..	420 0 0	400 0 0	400 0 0	..
11	Bhavnagar State Scholarship	..	..	400 0 0	80 0 0	70 0 0	10 0 0
12	Court of Wards, Moradabad Scholarship	..	..	80 0 0	120 0 0	120 0 0	..
13	Khadijate Scholarship	..	..	120 0 0	480 0 0	400 0 0	80 0 0
14	Raj Pipla State Scholarship	..	..	480 0 0	210 0 0	210 0 0	..
15	Kumaon Centinary Scholarship	..	..	210 0 0			
16	Murlidhar Kapoor Technical Scholarships	7,669 0 0	378 10 0	224 7 0	603 1 0	593 4 6	9 12 6
	Total 2 (d)	22,669 0 0	10,802 8 9	5,105 13 3	15,908 6 0	4,953 2 5	10,955 3 7
	2 (e)						
	For Women College.						
1	The Mrs. Mohana Bhai Lal Bhai Dalpat Bhai Scholarship (Invested in G. P. Notes).	3,800 0 0	694 8 0	132 14 0	827 6 0	135 0 0	692 6 0
2	Manorma Medal (Invested in G. P. Notes) 1,500 0 0 in Cash 200 0 0	1,700 0 0	183 4 7	73 6 0	256 10 7	67 6 6	189 4 1
3	Mahadevi Birla Scholarship (Invested in Shares of Ltd. Companies).	50,000 0 0	—5,416 6 6	12,980 0 0	7,483 9 6	2,970 0 0	4,513 9 6
4	Gulab Devi Birla Scholarship (Invested in G. P. Notes)	38,200 0 0	529 10 5	1,335 6 0	1,865 0 5	1,285 0 0	580 0 5
5	Ishwari Devi Memorial Scholarship (Invested in G. P. Notes).	4,000 0 0	—360 3 3	199 12 0	—160 7 3	180 0 0	—340 7 3
6	Krishna Kumari Scholarship	..	..	170 0 0	170 0 0	170 0 0	..
7	Bhakt Narayan Scholarships (Cash)	1,000 0 0	17 8 0	30 0 0	47 8 0	..	47 8 0
8	Government Scholarship	..	..	60 0 0	60 0 0	..	60 0 0
9	Braj Nandan Prasad of Moradabad Prize in cash	1,000 0 0	..	15 0 0	15 0 0	..	15 0 0
	Total 2 (e)	99,700 0 0	—4,431 10 9	14,996 6 0	10,564 11 3	4,807 6 6	5,757 4 9

STATEMENT—No. 5—*contd.*

Serial No.	Names of Endowments.	Capital.	Balance on 1st April 1936.	Receipts during 1936-37.	Total.	Payments during 1936-37.	Balance	Remarks.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	3 SCHOOLS.							
	(*a*) SCHOLARSHIPS GIVEN TO THE STUDENTS OF THE CENTRAL HINDU SCHOOL.							
1	Durga Janki Scholarship	..	—34 0 0	..	—34 0 0	..	—34 0 0	
2	Ram Chandra and Shyam Sunder Scholarship (Invested in G. P. Notes).	920 0 0	56 5 6	32 3 0	88 8 6	32 14 0	55 10 6	
3	Sada Shiva Prize (Invested in G. P. Notes)	100 0 0	..	3 8 0	3 8 0	3 8 0	..	
4	Girjanath Sheopujan Scholarship (Invested in G. P. Notes).	1,200 0 0	26 10 0	42 0 0	68 10 0	41 14 0	26 12 0	
5	Nathu Bhai Kirpa Ram Prize (Invested in G. P. Notes).	30 0 0	0 1 0	1 1 0	1 2 0	1 1 0	0 1 0	
6	The Parvati Prize (Invested in G. P. Notes)	50 0 0	..	1 12 0	1 12 0	1 12 0	..	
7	The Narain Dass Kalyan Dass Motiwala Prize (Invested in G. P. Notes).	200 0 0	..	7 0 0	7 0 0	7 0 0	..	
8	The Purshottam Sunderjizala Prize (Invested in G. P. Notes).	50 0 0	..	1 12 0	1 12 0	1 12 0	..	
9	The Gopal Krishna Commemoration Medal (Invested in G. P. Notes).	300 0 0	..	10 8 0	10 8 0	10 8 0	..	
10	N. Sankuni Warrior Prize (Invested in G. P. Notes).	100 0 0	..	3 8 0	3 8 0	3 8 0	..	
11	Pt. Bishambher Nath Dubey Scholarship (Invested in G. P. Notes).	400 0 0	23 0 6	14 0 0	37 0 6	13 11 0	23 5 6	
12	Ananda Prasad Mazumdar Memorial Prize (Invested in G. P. Notes).	100 0 0	..	3 8 0	3 8 0	3 8 0	..	
13	Kamini Memorial Prize (Invested in G. P. Notes).	100 0 0	..	3 8 0	3 8 0	3 8 0	..	
14	The Hukumatrai Prize (Invested in G. P. Notes).	100 0 0	..	3 8 0	3 8 0	3 8 0	..	
15	Rai Pt. Krishna Narayan Gurtu Scholarship (remits Rs. 7/- monthly).	..	—10 7 0	84 0 0	73 9 0	83 12 0	—10 3 0	
16	The Thirlwal Prize (Invested in G. P. Notes).	300 0 0	..	10 8 0	10 8 0	10 8 0	..	
17	Pt. Manoharlal Kichlu Scholarship (Invested in G. P. Notes).	1,700 0 0	55 9 0	59 8 0	115 1 0	59 2 0	55 15 0	
18	The Jugal Kishore Dharampatni Scholarship (Invested in G. P. Notes).	100 0 0	1 15 9	3 8 0	5 7 9	3 8 9	1 15 0	
19	The Shivadayal Scholarship (Invested in G. P. Notes).	1,000 0 0	17 1 3	35 0 0	52 1 3	35 0 0	17 1 3	
20	Durga Pershad Memorial Scholarship	..	—84 0 0	..	—84 0 0	..	—84 0 0	
21	Molil Bai Prize (Invested in G. P. Notes)	250 0 0	..	8 12 0	8 12 0	8 12 0	..	
22	Nandgri Krishna Prize (Invested in G. P. Notes).	500 0 0	—1 4 6	17 8 0	16 3 6	17 8 0	—1 4 6	

23	The Gajpati Rao Freeship (Invested in G. P. Notes).	500 0 0	17 10 0	17 8 0	35 2 0	17 8 0	17 10 0
24	L. N. Sankhdhar Scholarship . . .	..	—3 3 6	..	—3 3 6	..	—3 3 6
25	Shivachand Kapoor Scholarship (Invested in G. P. Notes).	1,000 0 0	9 11 10	49 12 0	59 7 100	50 0 0	9 7 10
26	Pt. Chheda Lal Scholarship . . .	..	25 0 0	550 0 0	575 0 0	540 0 0	35 0 0
27	J. N. Basu Scholarship (Invested in G. P. Notes).	1,300 0 0	31 8 0	45 8 0	77 0 0	46 0 0	31 0 0
28	Ganesh Scholarship (Cash) . .	2,000 0 0	—6 0 0	60 0 0	54 0 0	70 0 0	—16 0 0
	Total 3 (a) .	12,300 0 0	125 9 10	1,069 4 0	1,194 13 10	1,069 10 9	125 3 1
	3 (b)						
	GIVEN TO THE RANVIR SANSKRIT PATHSHALA.						
1	Native Official Charity Association, Port Blair Prize (Invested in G. P. Notes).	100 0 0	34 10 0	3 8 0	38 2 0	..	38 2 0
2	Besant Bhagwat Gita Prize (Invested in G. P. Notes).	100 0 0	36 10 0	3 8 0	40 2 0	..	40 2 0
3	Ratansey Scholarship (Invested in G. P. Notes).	5,000 0 0	3,328 4 0	174 14 0	3,503 2 0	..	3,503 2 0
4	Babu Keshav Dass Bhagwat Scholarship .	..	38 4 0	..	38 4 0	..	38 4 0
	Total 3 (b) .	5,200 0 0	3,437 12 0	181 14 0	3,619 10 0	..	3,619 10 0
	3 (c)						
	GIVEN TO C. H. GIRLS' SCHOOL.						
1	Vilasini Bai Gurjar Scholarship, in Cash .	1,500 0 0	230 11 0	45 0 0	275 11 0	56 4 0	219 7 0
2	Shreemati Chhanni Suksena Medal and Prize (Invested in G. P. Notes) 200 in Cash . . 300	500 0 0	37 8 6	19 0 0	56 8 6	20 8 0	36 0 6
3	Rani Birla Scholarships (Invested in G. P. Notes).	2,000 0 0	71 0 0	70 0 0	141 0 0	70 0 0	71 0 0
4	Shreemati Sona Devi Prize (Invested in G. P. Notes).	100 0 0	5 4 0	4 14 0	10 2 0	5 0 0	5 2 0
5	Raja Bahadur Braj Narayan Rai Scholarship, in cash.	1,000 0 0	—26 1 3	30 0 0	3 14 9	37 8 0	—33 9 3
6	Shrimati Anusuiya Devi Prize, in cash .	100 0 0	2 4 0	3 0 0	5 4 0	3 8 0	1 12 0
7	Shrimati Shyama Sunderi Devi Prize (Invested in G. P. Notes).	500 0 0	—34 5 2	24 15 0	—9 6 2	25 0 0	—34 6 2
8	Prithvi Nath Sahitya Prize (Invested in G. P. Notes).	100 0 0	1 10 0	3 8 0	5 2 0	..	5 2 0
9	Mantoo Balak Prize in G. P. Notes . .	100 0 0	—0 4 0	4 14 0	4 10 0	5 0 0	—0 6 0
	Total 3 (c) .	5,900 0 0	287 11 1	205 3 0	492 14 1	222 12 0	270 2 1

STATEMENT No. 5—*concld.*

Serial No.	Names of Endowments.	Capital.	Balance on 1st April 1936.	Receipts during 1936-37.	Total.	Payments during 1936-37.	Balance.	Remarks.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	B. GENERAL FUND.							
	Scholarships paid from the General Fund of the B. H. University to the students of—							
	A. Central Hindu College . . .	..	..	4,660 0 0	4,660 0 0	4,660 0 0	..	
	B. Colleges of Oriental Learning and Theology—							
	1. Acharya Scholarships . . .	..	..	1,492 0 0	1,492 0 0	1,492 0 0	..	
	2. Shastri Scholarships . . .	..	..	1,926 3 6	1,926 3 6	1,926 3 6	..	
	3. Madhyama Scholarships . .	..	..	2,723 13 6	2,723 13 6	2,723 13 6	..	
	C. Central Hindu School Board— . .						..	
	1. C. H. School	..	..	2,460 12 0	2,460 12 0	2,460 12 0	..	
	2. R. S. Pathshala	..	..	..	..	..	..	
	3. C. H. Girl's School	..	..	40 0 0	40 0 0	40 0 0	..	
	Total B. (1) .	..	..	13,302 13 0	13,302 13 0	13,302 13 0	..	
	Prizes and Medals awarded to the students of—							
	(*a*) C. H. College	..	..	66 6 6	66 6 6	66 6 6	..	
	(*b*) C. H. Girl's School	..	..	..	..	..	..	
	Total B. (2) .	..	..	66 6 6	66 6 6	66 6 6	..	
	Total B. .	..	..	13,369 3 6	13,369 3 6	13,369 3 6	..	

	A. SPECIAL FUND.						
	Endowed Scholarships, Prizes and Medals given to—						
1	University	85,690 7 2	20,412 3 2	4,117 13 2	24,530 0 4	3,269 3 0	21,260 13 4
2	Colleges—						
	(*a*) Central Hindu College . . .	3,46,889 6 0	17,541 15 6	28,338 5 3	45,880 4 9	23,423 7 3	22,456 13 6
	(*b*) Colleges of Oriental Learning and Theology and Ayurveda.	1,76,500 0 0	5,827 5 4	5,144 4 3	10,971 9 7	4,615 12 0	6,355 13 7
	(*c*) Teachers' Training College .. .	..	166 0 0	3,600 0 0	3,766 0 0	3,200 0 0	566 0 0
	(*d*) Engineering College . . .	22,669 0 0	10,802 8 9	5,105 13 3	15,908 6 0	4,953 2 5	10,955 3 7
	(*e*) Women's College	99,700 0 0	—4,431 10 9	14,996 6 0	10,564 11 3	4,807 6 6	5,757 4 9
3	Schools—						
	(*a*) Central Hindu School . . .	12,300 0 0	125 9 10	1,069 4 0	1,194 13 10	1,069 10 9	125 3 1
	(*b*) Ranbir Sanskrit Pathshala . .	5,200 0 0	3,437 12 0	181 14 0	3,619 10 0	..	3,619 10 0
	(*c*) Central Hindu Girl's School . .	5,900 0 0	287 11 1	205 3 0	492 14 1	222 12 0	270 2 1
	Total (A) .	7,54,848 13 2	54,169 6 11	62,758 14 11	1,16,928 5 10	45,561 5 11	71,366 15 11
	B. GENERAL FUND.						
	Scholarships, Prizes, Medals given from General Fund of the B. H. University.	..	..	13,369 3 6	13,369 3 6	13,369 3 6	..
	Total (B) .	..	..	13,369 3 6	13,369 3 6	13,369 3 6	..
	GRAND TOTAL .	7,54,848 13 2	54,169 6 11	76,128 2 5	1,30,297 9 4	58,930 9 5	71,366 15 11

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 6.

Showing Endowments for chairs at the Benares Hindu University.

(Annexure to Balance Sheet as at 31st of March 1937.)

Details.	Capitalised value or face value in case of G. P. Notes.	Balance on 1st April 1936.	Receipts from 1st April 1936 to 31st March, 1937.	Total.	Amount spent during the year 1936-37.	Balance.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1. "Manindra Chandra Nandy Chair for Ancient Indian History and Culture" endowed by the late Hon'ble Maharaja Sir Manindra Chandra Nandy Bhadur, K.C.I.E., of Kassimbazar.	1,72,000 0 0	16,287 7 9	6,012 4 0	22,299 11 9	6,288 8 0	16,011 3 9
2. "Motichand Chair of Chemical Technology" endowed by the Hon'ble Raja Sir Motichand, KT., C.I.E., of Benares.	1,18,200 0 0	3,104 8 0	4,131 8 0	7,236 0 0	2,959 0 3	4,276 15 9
3. "Perpetual annuity of Rs. 24,000 for 2 special Chairs of Electrical and Mechanical Engineering granted by H. H. Farzand-i-Khas Daulat-i-Englishia Mansur-ul-Zaman Amir-ul-Umara, Maharajadhiraj Rajeshwar Sri Maharaja Rajgan Maharajah Bhupendra Singh Mahindra Bahadur, G.C.I.E., of Patiala (capitalised at 3½ % *i.e.*, 28·57143 times).	6,85,714 4 6	..	..	..	..	..
4. Sri Swetamber Jain Conference Chair for Jain Philosophy and Logic.	52,000 0 0	1,016 6 0	1,817 6 0	2,833 12 0	2,154 12 0	679 0 0
Total	10,27,914 4 6	20,408 5 9	11,961 2 0	32,369 7 9	11,402 4 3	20,967 3 6

JAMNA DATT SANWAL,
Accounant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 7.

Abstract showing distribution of Donations.

(Annexure to Balance Sheet as at 31st of March 1937).

Serial No.	Particulars.	Amount promised up to 31st March 1937. Rs. A. P.	Amount paid up to 31st March 1936. Rs. A. P.	Amount paid during the year ending 31st March 1937. Rs. A. P.	Total amount paid up to 31st March 1937. Rs. A. P.	Balance outstanding on 31st March 1937. Rs. A. P.
1	Permanent Reserve Fund	37,20,054 0 0	37,20,054 0 0	..	37,20,054 0 0	..
2	Special Chairs	3,42,200 0 0	3,42,200 0 0	..	3,42,200 0 0	..
3	Scholarships and Prizes	6,34,848 13 2	6,22,525 13 2	12,323 0 0	6,34,848 13 2	..
4	Buildings and Special objects	32,05,806 1 2	31,71,492 11 5	34,313 5 9	32,05,806 1 2	..
5	Women College Hostel	2,91,000 0 0	2,91,000 0 0	..	2,91,000 0 0	..
6	General	99,92,152 9 11	70,14,574 11 4	27,558 3 2	70,42,132 14 6	29,50,019 11 5
	Total	1,81,86,061 8 3	1,51,61,847 3 11	74,194 8 11	1,52,36,041 12 10	29,50,019 11 5

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 7—(*continued*).

Statement showing the total amount of Donations promised and paid to the Benares Hindu University up to 31st March, 1937.

Serial No.	District or station.	Amount promised up to 31st March 1937.	Amount paid up to 31st March 1936.	Amount paid during the year ending 31st March 1937.	Total amount paid up to 31st March 1937.	Balance due up to 31st March 1937.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1	Agra	66,227 13 7	20,255 7 5	515 0 0	20,770 7 5	45,457 6 2
2	Ajmere	45,238 1 3	20,943 7 3	..	20,943 7 3	24,294 10 0
3	Aligarh	14,523 6 0	13,674 6 0	103 0 0	13,777 6 0	746 0 0
4	Allahabad	5,19,305 14 10½	3,93,692 12 1½	813 0 0	3,94,505 12 1½	1,24,800 2 9
5	Alwar	2,87,300 0 0	2,03,350 0 0	1,000 0 0	2,04,350 0 0	82,950 0 0
6	Ambala	19,201 8 0	4,821 8 0	..	4,821 8 0	14,380 0 0
7	Amritsar	73,499 14 0	36,584 14 9	20 0 0	36,604 14 9	36,894 15 3
8	Amroha	7,015 3 6	3,025 4 6	..	3,025 4 6	3,989 15 0
9	Azamgarh	5,443 0 0	4,826 4 3	606 0 0	5,432 4 2	10 11 9
10	Bahraich	35,311 4 0	26,412 12 0	..	26,412 12 0	8,898, 8 0
11	Ballia	2,248 0 6	1,648 0 6	500 0 0	2,148 0 6	100 0 0
12	Bankheri	21 0 0	21 0 0	..	21 0 0	..
13	Banda	89 0 0	84 0 0	5 0 0	89 0 0	..
14	Bankipur and Patna	55,171 2 3	28,520 2 6	30 0 0	28,550 2 6	26,620 15 9
15	Barabanki	4,544 15 2	4,544 15 2	..	4,544 15 2	..
16	Baragaon	85 7 0	85 7 0	..	85 7 0	..
17	Bareilly	1,01,967 2 9	54,600 9 9	167 4 0	54,767 13 9	47,199 5 0
18	Baroda	3,07,596 0 0	3,07,546 0 0	..	3,07,546 0 0	50 0 0
19	Basti	1,043 14 0	1,036 14 0	7 0 0	1,043 14 0	..
20	Benares	2,89,718 9 5	2,23,766 8 2	27,425 6 0	2,51,191 14 2	38,526 11 3
21	Bhagalpur	2,20,020 7 4½	1,47,003 12 4½	..	1,47,003 12 4½	73,016 11 0
22	Bijnor	1,941 2 0	1,863 2 0	78 0 0	1,941 2 0	..
23	Bikaner	3,29,033 0 0	2,72,216 0 0	5,000 0 0	2,77,216 0 0	51,817 0 0
24	Bilaspur	1,643 0 0	1,643 0 0	..	1,643 0 0	..
25	Bombay	35,90,367 4 7	27,50,494 13 1	405 0 0	27,50,899 13 1	8,39,467 7 6
26	Budaun	5,744 12 0	1,939 12 0	50 0 0	1,989 12 0	3,755 0 0
27	Bulandshahr	34,683 6 0	34,621 6 0	62 0 0	34,683 6 0	..
28	Burma	5,397 5 0	5,247 5 0	..	5,247 5 0	150 0 0
29	Calcutta	20,42,507 5 8	18,62,553 0 5	11 0 0	18,62,564 0 5	1,79,943 5 3
30	Cawnpore	1,32,883 10 2	68,867 5 2	16 0 0	68,883 5 2	64,000 5 0
31	Chapra	19,004 5 9	1,786 12 9	..	1,786 12 9	17,217 9 0
32	Chandausi	10,533 0 0	6,427 0 0	5 0 0	6,432 0 0	4,101 0 0
33	Darbhanga	5,50,225 5 0	5,39,300 7 0	..	5,39,300 7 0	10,924 14 0
34	Dattia	10,000 0 0	2,000 0 0	..	2,000 0 0	8,000 0 0
35	Dehradun	30,566 9 0	24,274 9 0	120 0 0	24,394 9 0	6,172 0 0
36	Delhi	20,524 11 6	18,194 11 6	79 0 0	18,273 11 6	2,251 0 0
37	Dholepur	1,05,000 0 0	1,00,000 0 0	..	1,00,000 0 0	5,000 0 0
38	Dongarpur	12,210 0 0	10,201 0 0	9 0 0	10,210 0 0	2,000 0 0
39	Etawah	1,19,119 1 0	95,237 13 0	..	95,237 13 0	23,881 4 0

40	Fatehgarh	1,020 8 0	1,020 8 0	..	1,020 8 0	..
41	Fyzabad	1,07,922 13 6	51,129 11 9	6 0 0	51,135 11 9	56,787 1 9
42	Garhwal	235 0 0	235 0 0	..	235 0 0	..
43	Gwalior	6,53,029 4 1	6,29,728 4 1	1 0 0	6,29,729 4 1	23,300 0 0
44	Gaya	24,053 0 0	12,215 0 0	..	12,215 0 0	11,838 0 0
45	Gazipur	135 0 0	115 0 0	20 0 0	135 0 0	..
46	Gidhaur	15,000 0 0	15,000 0 0	..	15,000 0 0	..
47	Gonda	1,38,681 5 0	1,28,199 5 0	..	1,28,199 5 0	10,482 0 0
48	Gorakhpur	70,990 8 3	42,765 6 3	..	42,765 6 3	28,225 2 0
49	Gurdaspur	235 0 0	235 0 0	..	235 0 0	..
50	Guzerat	126 0 0	86 0 0	..	86 0 0	40 0 0
51	Hamirpur	373 7 0	368 7 0	..	368 7 0	5 0 0
52	Hardoi	16,267 0 0	502 0 0	..	502 0 0	15,765 0 0
53	Hathras	6,200 0 0	6,200 0 0	..	6,200 0 0	..
54	Indore	5,65,272 6 0	5,12,947 12 0	..	5,12,947 12 0	52,324 10 0
55	Jaipur	5,39,867 0 0	5,14,717 0 0	100 0 0	5,14,817 0 0	25,050 0 0
56	Jaunpur	12,485 8 0	4,238 0 0	..	4,238 0 0	8,247 8 0
57	Jhansi	309 0 0	301 0 0	8 0 0	309 0 0	..
58	Jodhpur	7,19,736 9 9	6,41,921 1 3	1,001 0 0	6,42,922 1 3	76,814 8 6
59	Jubbulpore	5,167 8 0	4,085 0 0	..	4,085 0 0	1,082 8 0
60	Kalka	53 0 0	53 0 0	..	53 0 0	..
61	Kanauj	1,275 0 0	..	..	..	1,275 0 0
62	Kapurthala	4,425 4 0	4,225 4 0	..	4,225 4 0	200 0 0
63	Kashmir	32,750 13 0	6,481 3 0	61 0 0	6,542 3 0	26,208 10 0
64	Kheri	57,937 5 3	39,270 1 3	..	39,270 1 3	18,667 4 0
65	Khurja	17,054 11 0	15,469 1 0	500 0 0	15,969 1 0	1,085 10 0
66	Kishangarh	50,500 0 0	40,500 0 0	..	40,500 0 0	10,000 0 0
67	Kotah	3,53,906 3 3	2,59,726 5 9	..	2,59,726 5 9	94,179 13 6

STATEMENT No. 7.—*contd.*

Donations.

Serial No.	District or Station.	Amount promised up to 31st March 1937. Rs. A. P.	Amount paid up to 31st March 1936. Rs A. P.	Amount paid during the year ending 31st March 1937. Rs. A. P.	Total amount paid up to 31st March 1937. Rs. A. P.	Balance due up to 31st March 1937. Rs. A. P.
68	Lahore	2,20,520 15 0	1,77,645 5 8	262 1 0	1,77,907 6 8	42,613 8 4
69	Lucknow	1,95,268 7 0	1,34,328 9 2	50 0 0	1,34,378 9 2	60,889 13 10
70	Madras	86,676 13 0	32,389 1 0	1 0 0	32,390 1 0	54,286 12 0
71	Malda	3,750 0 0	824 0 0	..	824 0 0	2,926 0 0
72	Meerut	1,33,126 4 9	57,090 12 6	29 0 0	57,119 12 6	76,006 8 3
73	Mirzapur	66,938 8 3	53,970 8 3	515 0 0	54,485 8 3	12,453 0 0
74	Moradabad	1,17,572 12 7	72,761 6 7	1,002 0 0	73,763 6 7	43,809 6 0
75	Muzaffarnagar	29,682 4 0	15,929 4 0	15 0 0	15,944 4 0	13,738 0 0
76	Muzafferpur	64,522 15 6	9,399 10 2	..	9,399 10 2	55,123 5 4
77	Mysore	2,60,000 0 0	2,60,000 0 0	..	2,60,000 0 0	..
78	Nabha	1,00,000 0 0	1,00,000 0 0	..	1,00,000 0 0	..
79	Nahan	3,742 14 3	1,229 14 0	..	1,229 14 0	2,513 0 3
80	Nainital	49,113 0 9	9,964 14 0	125 0 0	10,089 14 0	39,023 2 9
81	Nagpur	1,109 0 0	1,058 0 0	51 0 0	1,109 0 0	..
82	Patiala	5,02,041 0 0	5,02,039 0 0	2 0 0	5,02,041 0 0	..
83	Partabgarh	3,700 0 0	2,200 0 0	500 0 0	2,700 0 0	1,000 0 0
84	Rai Bareilly	2,32,028 7 3	57,134 10 0	13 0 0	57,147 10 0	1,74,880 13 3
85	Rawalpindi	13,500 0 0	2,629 0 0	100 0 0	2,729 0 0	10,771 0 0
86	Saharanpur	27,028 0 6	17,878 0 6	25 0 0	17,903 0 6	9,125 0 0
87	Sahwal	225 0 0	225 0 0	..	225 0 0	..
88	Saugor	9,512 0 0	5,977 11 6	..	5,977 11 6	3,534 4 6
89	Shahjahanpur	14,205 8 0	2,050 8 0	..	2,050 8 0	12,155 0 0
90	Sikandarabad	3,875 10 0	3,276 7 0	..	3,276 7 0	599 3 0
91	Simla	1,37,909 0 0	1,26,909 0 0	..	1,26,909 0 0	11,000 0 0
92	Sitapur	1,78,686 10 2	1,38,797 7 8	..	1,38,797 7 8	39,889 2 6
93	Sultanpur	5,241 5 0	5,016 5 0	10 0 0	5,026 5 0	215 0 0
94	Surat	1,305 0 0	1,005 0 0	..	1,005 0 0	300 0 0
95	Udaipur	1,51,860 0 0	1,51,860 0 0	..	1,51,860 0 0	..
96	Unao	92,907 4 6	23,179 5 6	..	23,179 5 6	69,727 15 0
97	Miscellaneous	12,08,028 0 4	11,70,031 14 5	32,770 13 11	12,02,802 12 4	5,245 4 0
98	Temporary Grant from Government of India	18,00,000 0 0	18,00,000 0 0	..	18,00,000 0 0	..
	Total	1,81,86,061 8 3	1,51,61,847 3 11	74,194 8 11	1,52,36,041 12 10	29,50,019 11 5

JAMNA DATT SANWAL.
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 8.

1. *The Chaturvedi Hari Bhajan Prasad.*

(Annexure to Balance Sheet as at 31st of March, 1937.)

Scholarship Trust Fund Kalpi, Account.

Receipts. | Payments.

Particulars.	Amount.	Particulars.	Amount.
	Rs. A. P.		Rs. A. P.
Interest realised on the securities of the Endowment Fund of Rs. 15,700 up to 31st March, 1937. As per last B./S.	6,326 12 5	(A) Maintenance allowance paid to— (i) Shrimati Raj Dulari Devi, and (ii) Shrimati Sushila Devi up to 31st March, 1937.	4,413 0 0
Since added .	606 8 0	Do. during 1936-37 . .	546 0 0
		(B) Scholarships paid up to 31st March, 1937. As per last B./S. 1,602-6-9 Since added 232-0-0 .	1,834 6 9
			6,793 6 9
		Balance	139 13 8
Total .	6,933 4 5	Total .	6,933 4 5

II. *Sah Brindaban Das Trust Fund Account.*

Receipts. | Payments.

Particulars.	Amount.	Particulars.	Amount.
	Rs. A. P.		Rs. A. P.
Income received from the Estate of Sah Brindaban Das, Lucknow up to 31st March, 1936	25,706 5 2	Share to Harish Chandra High School, Benares as per last B. S.	4,173 5 1
During 1936-37 . .	3,536 8 7	Share to B. H. Uni. as per last B. S. . .	6,563 15 5
		Expenses of the Estate of Sah Brindaban Das up to 31st March, 1936.	12,271 1 1
		Do. during 1936-37. . .	2,712 13 9
			25,721 3 4
		Balance	3,521 10 5
Total .	29,242 13 9	Total .	29,242 13 9

III. *Pandit Aditya Ram Bhattacharya Trust Fund.*

From 27th February, 1922 to 31st March, 1937.

Receipts. | Payments.

Particulars.	Amount.	Particulars.	Amount.
	Rs. A. P.		Rs. A. P.
		As per last B./S.	
As per last B./S. Balance of current account with the Imperial Bank of India, Allahabad.	84 7 1	Cost of 5½ per cent. Loan of 1938-40 purchased by the Bank.	37,700 0 0
		Cost of 5 per cent. U. P. Loan . . .	9,000 0 0
Proceeds of Fixed Deposit . . .	38,580 0 0	Probate and transfer of shares and other expenses.	2,563 14 9
		Cost of Cheque and pass book . . .	2 12 0
Interest realised up to 31st March, 1937. as per last B./S. 30,233-4-2 since added 2,517-0-0	32,750 4 2	Refund of Interest to Babu Satya Vrata Bhattacharya.	152 0 0
Dividends from Ry. Companies . .	4,963 3 7		
Pension order	249 11 0		
Caution money from Library, Allahabad .	16 0 0	Subscription to Shiva Shanker Pathshala up to 31st March, 1937 as per last B./S. 25,252-0-7 during 1936-37. 2,950-0-0	28,202 0 7
Subscription from Babu Satya Vrata Bhattacharya for Pathshala.	554 1 0		
Do. from the mother of S. Bhattacharya .	2,000 0 0	Postage and Registration charges as per last B./S. 3-11-6. Since added 0-1-0.	3 12 6
Discount on the Purchase of securities .	970 0 0	Other expenses up to 31st March, 1936 .	22 4 3
Advance from Benares Hindu University .	1 12 3	During 1936-37 .	..
			77,646 12 1
		Balance with the Imperial Bank of India, Allahabad.	2,522 11 0
Total .	80,169 7 1	Total .	80,169 7 1

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

STATEMENT No. 8—*contd.*

IV. *Puri Property Account.*

From 1928-29 to 31st March, 1937.

Receipts.

Serial No.	Particulars.	Receipts. Up to 31st March, 1936.	During the year.	Total.
		Rs. A. P.	Rs. A. P.	Rs. A. P.
1	Rent realized from the Puri Property .	1,930 0 0	1,308 10 6	3,238 10 6
2	Balance to be recouped from the next year's income.	559 11 3	..	..
	Total .	2,489 11 3	1,308 10 6	3,238 10 6

Expenditure.

Serial No.	Particulars.	Expenditure. Up to 31st March, 1936.	During the year.	Total.
		Rs. A. P.	Rs. A. P.	Rs. A. P.
1	Establishment	471 5 3	35 0 0	506 5 3
2	Agency Charges	122 0 0	35 0 0	157 0 0
3	Rent of Land	552 8 0	313 4 0	865 12 0
4	Municipal Charges	444 11 3	195 14 6	640 9 9
5	Repairs to houses	878 2 9	161 15 9	1,040 2 6
6	Miscellaneous expenses	1 12 0	1 8 0	3 4 0
		2,470 7 3	742 10 3	3,213 1 6
7	Advances to Mr. Gopal Swami, Agent at Puri.	19 4 0	..	19 4 0
	Total .	2,489 11 3	742 10 3	3,232 5 6
	Balance	..	566 0 3	6 5 0
		2,489 11 3	1,308 10 6	3,238 10 6

JAMNA DATT SANWAL,
Accountant.

BASANT RAM & SONS,
Registered Accountants, Auditors.

JWALA PRASAD,
Pro-Vice-Chancellor.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATIONS.

Bombay, the 18th January 1938.

No. 2.—1. Mr. C. S. Divekar is posted as an Accountant, Reserve Bank of India, Bombay, with effect from the 10th January 1938.

2. On return from leave Mr. F. Gonsalves is reposted as Junior Superintendent, Reserve Bank of India, Bombay, with effect from the 10th January 1938, *vice* Mr. P. G. Agashe reverted.

3. Messrs. K. K. Roy Chowdhury and L. Penheiro are appointed to act as Junior Superintendents, Reserve Bank of India, Issue Department, Calcutta, with effect from the 10th and the 11th January 1938, *vice* Messrs. H. Pereira and S. N. Bose, respectively proceeded on leave.

Bombay, the 25th January 1938.

No. 3.—Mr. H. P. Mathur is appointed to act as Junior Superintendent, Reserve Bank of India, Issue Department, Cawnpore, with effect from the 14th January 1938, *vice* Mr. Madan M. Singh proceeded on leave.

MANILAL B. NANAVATI,

Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Calcutta, the 20th January 1938.

The following appointment on the Bank's Staff is hereby notified:—

Mr. C. N. Nixon resumed charge of his appointment of Agent, Rangoon Branch, as from the close of business on the 12th January 1938, *vice* Mr. E. J. Dawson.

W. LAMOND,

Managing Director.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 21st January 1938.

No. 1622.—Mr. F. H. Grant, Extra Assistant Superintendent, is granted an extension of leave out of India on average pay for 3 days from the 12th January to 14th January 1938, in continuation of the leave granted to him under this office Notification No. 1617, dated the 4th December 1937.

C. G. LEWIS, Brigadier,

Surveyor General of India.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATION.

New Delhi, the 25th January 1938.

No. 01627-E./01370-E.—Khan Bahadur Mohd. Zahiruddin Ahmed Faruqi, I.S.E., Executive Engineer, Calcutta Central Aviation Division, Calcutta, is hereby granted leave on average pay in India for 3 months, with effect from the 13th December 1937.

A. BREBNER,

Chief Engineer.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 24th January 1938.

No. 74-P.—No. 2126 Jemadar Jaswant Singh Bopa Rai, I.M.D., Sub-Assistant Surgeon in the Entomological Section of the Central Research Institute, Kasauli, is granted leave on average pay for 21 days, with effect from the 3rd December 1937 with permission to affix Christmas holidays, New Year's Day and Sunday, 2nd January 1938 to it. This cancels this office Notification No. 69-P., dated the 14th December 1937.

New Delhi, the 26th January 1938.

No. 75.—The services of 1st class Assistant Surgeon H. G. M. Campbell, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 6th January 1938.

No. 77.—Privilege leave for two months granted to Lieut. E. R. Grant, I.M.D., Manager Medical Store Depot, Bombay, in this office Notification No. 66-P., dated the 11th December 1937, is extended by two months.

E. W. C. BRADFIELD,

Major General, I.M.S.,

Director General, I.M.S.

New Delhi, the 24th January 1938.

No. 76.—The services of 3rd class Assistant Surgeon L. A. B. Mathews, I.M.D., are placed at the disposal of the Chief Medical Officer and Inspector General of Prisons in Baluchistan for employment as Assistant Surgeon, Civil Hospital, Quetta, with effect from the 18th December 1937.

E. G. KENNEDY, Col.

Major General, I.M.S.,

for Director General, I.M.S.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M. Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 29th January 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

CENTRAL ELECTRICITY BOARD.

NOTIFICATION.

New Delhi, the 27th January 1938.

No. A.-805.—Mr. C. M. Ker, I.C.S., is appointed to be Secretary to the Central Electricity Board.

A. G. CLOW,

Chairman, Central Electricity Board.

ROYAL INDIAN NAVY.

NOTIFICATIONS.

LEAVE.

Bombay, the 24th January 1938.

No. 37.—Lieutenant A. B. Goord, R. I. N., is granted 20 months' absence from India, from the 22nd January 1938. The first 2 months is to reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

No. 38.—Engineer Lieutenant J. Nuttall, R. I. N., is granted 12 months' absence from India, from the 22nd January 1938. The first 2 months is to reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

T. M. S. MILNE-HENDERSON,

Captain, R. I. N.,

for Flag Officer Commanding,

Royal Indian Navy.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 21st January 1938.

No. S.-109/1.—Mr. G. W. Russell, Deputy Assistant Electrical Engineer, Grade A, is appointed as Assistant Electrical Engineer, substantively with effect from the 12th February 1938.

Mr. C. A. Bishop, Deputy Assistant Electrical Engineer, Grade B, is appointed as Deputy Assistant Electrical Engineer, Grade A, substantively with effect from the 12th February 1938.

Mr. P. J. Soares, Electrical Supervisor, is appointed as Deputy Assistant Electrical Engineer, Grade B, substantively with effect from the 12th February 1938.

New Delhi, the 22nd January 1938.

No. S. 100/15/37.—Mr. M. A. J. Vasnaik, B.Sc., (Edin.), Assistant Divisional Engineer, Telegraphs, is granted leave on average pay for fifteen days, with effect from the 3rd January 1938.

G. V. BEWOOR,

Director-General, Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDERS.

To be substituted for this office order No. 1824-C.T., dated the 23rd March 1937.

In exercise of the powers conferred upon me by sub-section 4 of section 5 of the Income-tax Act (XI of 1922), the following redistribution of the charges of the Income-tax Officers of the present Companies Districts in Calcutta is sanctioned with effect from the 1st April 1937.

1. A new district to be known as Companies District III will be formed with the following classes of persons and income in the respective areas noted against each.

(A) *Classes of persons and area.*—(i) All companies, excepting insurance companies and shipping companies, as defined in sub-section 6 of section 2 of the Income-tax Act, 1922 and (ii) excepting Chinese firms and firms of Solicitors all firms which keep their accounts in English and which have been registered before the 18th January, 1932 under sub-section 26A of the above Act and their partners in the area of Calcutta Income-tax districts I(1), I(2), II(1), II(2), IV(1), IV(2) and IV(3).

(B) All Insurance and Shipping Companies in the whole area of Calcutta as defined in Clause 11 of Section 3 of the Calcutta Municipal Act, 1923, Fort William, the Esplanade and that part of Hastings North of the South edge of Clyde Road and Strand to the river bank.

(C) Non-residents whose income arises in Bengal and who are assessed direct, and not through statutory agents under section 43 of the Act.

(D) All Tramp Steamers who earn income in the Port of Calcutta.

Classes of Income.—All classes.

2. *Charge.*—Companies District I—Classes of persons. (i) Excepting Insurance and Shipping Companies all companies as defined in sub-section 6 of Section 2 of the Indian Income-tax Act, 1922, and (ii) excepting Chinese firms and firms of Solicitors, all firms, which keep their accounts in English and which have been registered before the 18th January 1932 under section 26A of the above Act; and their partners.

Classes of Income.—All classes.

Area.—Area of Calcutta Income-tax Districts III(1), III(2) and VI.

3. *Charge.*—Companies District II—Classes of persons. (i) Excepting Insurance and Shipping Companies all companies as defined in sub-section 6 of section 2 of the Indian Income-tax Act and (b) excepting Chinese firms and firms of Solicitors, all firms which keep their accounts in English and which have been registered before the 18th January 1932 under section 26A of the above Act and their partners.

Classes of Income.—All classes.

Area.—Area of Calcutta Income-tax District V.

Calcutta, the 22nd January 1938.

No. 13878-C.T./2-E./48.—Mr. H. K. Das Gupta, B.A., B.L., LL.B., Additional Income-tax Officer, District IV (2), Calcutta, is, in addition to his own duties, appointed to act as Income-tax Officer, District IV (2) during the absence on leave of Mr. A. Khan or until further orders.

S. N. BANERJEA,
Commissioner of Income-Tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 19th January 1938.

No. A. E.-780/1.—Mr. R. M. Watson, Assistant Bridge Engineer, junior scale has been appointed to officiate as Bridge Engineer, senior scale with effect from the 26th November 1937 forenoon.

No. A. E.-780/2.—Capt. H. A. Davis, R.E., Assistant Superintendent, junior scale Transportation (Traffic) and Commercial Department has been appointed to officiate in the senior scale with effect from the 13th December 1937 forenoon.

No. A. E.-780/3.—Mr. W. F. B. Higman, Assistant Superintendent, junior scale, Transportation (Traffic) and Commercial Department has been appointed to officiate as Superintendent, senior scale in that Department with effect from the 2nd December 1937 forenoon.

No. A. E.-780/4.—Mr. H. V. M. Stewart, Assistant Superintendent, junior scale, Mechanical Engineering and Transportation (Power) Department has been appointed to officiate as Superintendent senior scale in that Department with effect from the 2nd December 1937 forenoon.

No. A. E.-780/5.—Mr. G. Waugh, officiating Superintendent, Mechanical Records, senior scale, reverted to his substantive appointment as Drawing Office Superintendent, junior scale, with effect from the 5th December 1937 forenoon.

Calcutta, the 24th January 1938.

No. A. E.-780/1.—Mr. P. P. Kulkarni, Officiating District Electrical Engineer, senior scale, reverted to his substantive appointment as Assistant Electrical Engineer, junior scale, with effect from the 9th January 1938 forenoon and has again been appointed to officiate as District Electrical Engineer, senior scale with effect from the 10th January 1938 forenoon.

No. 1066/25.—Mr. D. M. F. Chisholm, Superintendent, senior scale, Transportation (Traffic) and Commercial Department has been granted 39 days privilege leave combined with 27 days furlough on full pay *plus* 9 months and 23 days furlough on half pay out of India on medical grounds with effect from the 13th January 1938 in extension of 31 days privilege leave granted to him, with effect from the 13th December 1937, *vide* Notification No. 1066/25, dated 20th December 1937 published in the Gazette of India, Part II, dated the 25th December 1937.

No. 1356-E.—Mr. R. E. Marriott, Divisional Superintendent has been granted an extension of leave on half average pay for three days out of India, with effect from the 14th December 1937 in continuation of 5 months and 5 days combined leave granted to him with effect from the 9th July 1937, *vide* Notification No. A.E.-1356, dated the 29th October 1937, published in the Gazette of India, Part II, dated the 6th November 1937.

J. A. BELL,

Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATIONS.

Calcutta, the 17th January 1938.

No. 3.—Mr. E. E. Jones, Bridge Engineer, is granted, with the approval of the Railway Board, combined leave for 6 months (*viz.*, leave on average pay for 5 months and 16 days and half average pay for the remaining period) from 23rd May 1938, the date on which he will attain superannuation.

I. T. ST. C. PRINGLE,

for Agent.

Calcutta, the 25th January 1938.

No. 4.—Mr. J. D. B. Osborn, Officiating Divisional Superintendent, is granted leave on average pay for 8 months. with effect from 15th March 1938 or subsequent date of relief.

L. W. VAN SOMEREN,

Traffic Manager.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 18th January 1938.

No. 5.—The unexpired portion of leave on average pay, *viz.*, from 21st December 1937, to 3rd March 1938, granted to Rao Sahib T. B. Chandwani, Offg. Divisional Personnel Officer, under this office notification No. 109, dated 1st October 1937, is hereby cancelled.

No. 6.—Dr. Mohd. Muzaffar-ud-Din Chughtai, Divisional Medical Officer on probation, is confirmed in his appointment with effect from the 2nd January 1938.

Lahore, the 20th January 1938.

No. 7.—Mr. C. R. Buckley, Assistant Engineer, is granted leave on average pay for 3 months and one day preparatory to retirement with effect from 18th December 1937 to 18th March 1938.

2. This is in supersession of this office Notification No. 113, dated 19th October 1937.

Lahore, the 21st January 1938.

No. 9.—Mr. E. C. Whelan, Executive Engineer and Officiating Senior Government Inspector of Railways, is granted leave (out of India) preparatory to retirement for 1 year, 5 months and 5 days, *viz.*, leave on average pay for 1 month and 30 days and on half average pay for the remaining period with effect from 4th December, 1937.

2. This cancels this office Notification No. 137, dated 7th December 1937.

C. F. CARSON,

Lt.-Col., R.E.,

Agent,

REGISTERED No. L. 3131

The Gazette of India

NEW DELHI, SATURDAY, FEBRUARY 5, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 5th February 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

January 22, 1938.

24863. Dunlop Rubber Co. (India) Ld. Improvements in collapsible segmental formers. (January 29, 1937).

24864. N. V. Phillips' Gloeilampenfabrieken. Improvements in or relating to electric discharge tubes.

24865. G. C. Torresi. Vaporizer for explosion engines.

24866. T. O. Godin (Senior), T. O. Godin (Junior) and R. Handl. Process for the manufacture of building materials. (August 25, 1937).

24867. S. A. S. Bunting. Sludge digestion tanks.

24868. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). Method of and apparatus for operating dust fuelled engines.

24869. J. A. Cox. Improvements in or relating to the art or science of bricklaying.

January 24.

24870. Krishen Singh. Improved tiles and slabs.

24871. G. Fraser and Douglas Fraser & Sons Ld. Improvements in drawing frames, roving frames and like textile frames.

24872. A. N. Brogden. Improvements in rail joints. (January 26, 1937).

24873. The British Tabulating Machine Co. Ld. Improvements in or relating to machines for collating record cards.

24874. Seri Holding S. A. Improvements in or relating to the production of beryllium oxide.

January 25.

24875. G. L. Wredden. An improved accumulator cell box.

24876. D. DeSilva. An improved process and apparatus for obtaining the extract of ayurvedic medicines.

January 26.

24877. J. J. Pocha. A tiffin carrier.

January 27.

24878. S. Perry. Improvements in pad locks.

24879. P. M. Chaubal. Improvements in or relating to vaporising devices. [Divisional date February 5, 1937.]

24880. T. L. Shepherd. Improvements in and relating to the manufacture of collars, cuffs and the like. (January 28, 1937).

24881. N. V. Handelmaatschappij "Helga". Improvements in or relating to constructional elements composed of a hydraulic binding agent and to a method of producing the same.

Alteration of Date.

(I)

23658. The claim to priority date 1st April 1936 has been disallowed and the application dated as of 6th February 1937, the date of filing in India.

(II)

24236. Ante-dated 28th January 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23629. F. G. Cresswell. Improved method of and apparatus for cooling, purifying or treating air. *Mechanically or electrically driven fan producing suction to draw air through wet fabrics.*

23642. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to modulated carrier wave transmitters. (February 27, 1936.) *A coupling valve behaving as a generator of low internal resistance precedes the final modulator valve.*

23658. J. W. Nasmith. Improvements in or relating to combing machines for textile fibres. *The piecing point of a piecing roller pair positively moved in a direction away from the detaching point and combing cylinder.*

23688. Metropolitan-Vickers Electrical Co. Ld. Improvements in and relating to electric motor control equipments. *Resistance sections inserted first in a single path and subsequently in a series of multiple path connections.*

23690. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to carrier wave modulation systems. (February 14, 1936). *Series modulation circuit in which modulating stage is applied to the positive side of carrier frequency stage.*

23793. National Malleable and Steel Castings Co. Improvements in or relating to car couplers. (February 22, 1937). *Lock operating element with means for actuating knuckle thrower.*

23811. A. T. Gillespie. Improvements in and relating to refrigerators and like cold storage boxes. *Two part container, the inner one containing goods to be refrigerated, the space between the two containers being filed with refrigerating medium.*

23816. Dunlop Rubber Co. Ld. Moulding and vulcanising and apparatus therefor, applicable particularly to pneumatic tyre manufacture. *Automatic co-relation between closure of mould and expansion of core so that closure precedes final expansion of core.*

23870. Metallgesellschaft Aktiengesellschaft. Improvements in or relating to rotary hearth furnaces. [Addition to No. 20984.] *Devices for shutting off the tuyeres near the mechanically operated rabbles.*

23880. P. V. Hattangdi. A process for production of stereoscopic cinematographic films for projection of stereoscopic movies. *Film moved horizontally and without forming loop between the two gates, the right and left hand pictures being separated by an even number of pictures.*

24066. Poor and Co. Improvements in rail anchors. *Single bar anchor widened at one end to form hook having under-rail body portion and means at other end to engage rail edge.*

24230. H. Gad. Improvements in forks for single-wheeled trailers for motor cars and other road vehicles. *The branches of the fork are leaf springs, the lower end being bent rearwardly in relation to the frame.*

24231. Miehle Printing Press and Manufacturing Co. Method of and apparatus for printing. *Producing an intaglio printing plate by photographically copying halftone positive on to a plate and etching halftone dots.*

24236. I. G. Farbenindustrie Aktiengesellschaft. Process for the manufacture of thiazolium compounds. (March 24, 1936). [Addition to No. 23631]. [Ante-dated 28th January 1937.] *Reacting thiazoles with 2 alkyl 4 amino pyrimidines containing in the 5th position an alkyl group with a reactive substituent.*

24266. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny & Cirey. Improvements in or relating to electric furnaces for the melting of glass. *Heat concentrated in small zones.*

24297. Knoll. A.-G., Chemische Fabriken. process for the preparation of β (p-oxyphenyl)——isopropylethylamine. *Treating B (p-oxyphenyl) isopropylamine with methylating agents.*

24317. Knoll, A. G., Chemische Fabriken. Process for the preparation of β—(p-Oxyphenyl) —Isopropylmethylamine. *Condensing B (p. methoxy phenyl) isopropylamine with formaldehyde, reducing the product and eliminating the methoxy group of the resulting base by treating with strong acids.*

24324. Metra Maatschappij Voor Verduurzaming Van Zuivel-Production N. V., Improved method of preserving liquid and semi-solid foodstuffs. (September 1, 1936). *Expelling the dissolved gases, heating in oxygen at 5 to 20 atmospheres at 50 to 65°C. and storing in compressed oxygen.*

24366. P. Dutt. An improved cinematographic and photographic process of making composite pictures. *Making a transparency film of back ground and running it in contact with a raw panchromatic film and then photographing the foreground.*

24436. Vereinigte Gluhlampen Und Elektrizitats Aktiengesellschaft. Gas-filled electric incandescent lamp. (May 3, 1937). *Gas filling of Krypton or Xenon at pressure exceeding 10 atmospheres.*

24437. Solution Trust Limited. Improvements in or relating to the manufacture of electric cables or other insulated conductors. *Insulating powder first heated to remove moisture.*

24438. Solution Trust Limited. Improvements in or relating to the manufacture of electric cables or other insulated conductors. *Insulating powder compressed to density limit.*

24444. Ownes-Illinois Glass Company. Improvements in and relating to glass blocks. *Vacuum is made by blowing gather of glass to form air-pocket, placing it in mould and exhausting air from mould.*

24453. Shri Dhar. Improvements in or relating to the polishing of bangles and the like. *Surface is ground and rubbed with wheel of soft contacting surface smeared with solution of tin oxide.*

24464. Metropolitan-Vickers Electrical Company Limited. Improvements in or relating to the control of winding gear and the like. (September 29, 1936). *Differentially operated torque connector controls speed.*

24466. Metropolitan-Vickers Electrical Company Limited. Improvements relating to winder control gear for mine hoists. (September 29, 1936). *Control means to apply partial and full brakes when cage nears keps.*

24506. Maybach-Motorenbau Gesellschaft mit beschrankter Haftung. Improvements in control devices for change-speed-gears. *Supply of pressure medium is effected by double valve control operative by lever in both directions.*

24518. W. Paterson. Improvements in apparatus for adding one liquid to another. (October 15, 1936). *Receiver for the added liquid contains a float which has an indicator and also acts to prevent diffusion.*

24520. Blairs Ld. N. E. Lamont. An improved apparatus for use in activating and reactivating charcoal, carbon and like substances, and for use in revivifying kieselguhr and the like. (October 23, 1936). *Comprising a vertical casing surrounded by a furnace flue, series of superimposed trays in the casing arranged in staggered relationship, scrapers and means to impart rotatory movement to the scraper.*

24527. H. J. Osborn and H. J. Osborn & Sharp Ld. Improvements in and relating to electrical switches operated by leakage current. *Relay operated by leakage current operates main switch.*

24543. Callender's Cable and Construction Co. Ld. Improvements relating to cartridge fuses. *Comprising electrically insulated non-hygroscopic inner tube enclosing fusible element are quenching material surrounding the element and an insulating non-hygroscopic outer tube surrounding the inner one and closed at its ends.*

24544. Joseph Rigg Ld. Improvements in or relating to garment securing belting. *Textile fabric band formed with cut pile threads combined with elastic warp threads fitted within an outer garment.*

24550. Seri Holding S. A. Improvd process for the manufacture of beryllium fluoride. *Reacting gaseous hydrofluoric acid on hot bery llium hydroxide.*

24558. E. I. du Pont de Nemours & Co., and L.R. Westbrook. Improvements in or relating to the electrodeposition of zinc. *Adding finely divided metals above lead in the electromotive force series to the cyanide-zinc bath.*

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23226. Asa Singh.
23376' Automatic Telephone & Electric Co., Ld.
23385. Warde.
23524. Societe Financiere de Transports et D'Entreprises Industrielles (Sofina) Scoiete Anonyme.
23736. The General Electric Co., Ltd.
23778. Siemens Brothers Co., Ld.
23789. Pandit Mohleji.
23838. Collins Improved Firebars Ld. and Robson.
23925. Kooi.
23982. Shroff.
23983. Natesa Chetty.
24057. Venkataraman and Uppal.
24077. Seshiah.
24100. International General Electric Co. Inc.
24129. Seri Holding S. A.
24132. Gyss.
24144. Weber.
24154. Becker and Steinberg.
24163. Societe Industrielle Hellenique Des Gazofacteurs Berhoudar S. A.

Patents Sealed.

23038. Shahu.
23071. Barlow and Blakeway.
23121. Metals Disintegrating Co. Inc.
23247. National Carbon Co. Inc.
23280. Trangmar.
23287. Marconi's Wireless Telegraph Co. Ld.
23529. Karsondas.
23584. The General Electric Co. Ld.
23606. Lawarree.
23630. Ricardo.
23633. Filter Tips Ld.
23665. Ruhrchemie Aktiengesellschaft.
23672. Valentin and Textilmaschinenfabrik-Schwenningen G. m. b. H.
23710. Hamilton and Callendar's Cable and Construction Co. Ld.
23835. Graviner Manufacturing Co.,Ld., Salmond, Mathisen, Palmer and Goodall.
23845. Greysham and Co.
23961. Universal Oil Products Co.
23963. Universal Oil Products Co.
24019. Novo Valve Corporation.
24039. Societe de Recherches et d'Applications Chimiques (Sorac).
24045. George Kent Ld., Ardley, (Mrs.) Hillman, Hillman and Warren.
24072. Zan.
24084. Mazza.
24089. Telefunken Gesellschaft fur drahtlose Telegraphie m. b. H.
24092. Corning Glass Works.
24141. Executors of James Mills Ld.
24160. Kavanagh.

Opposition Proceedings.

The opposition entered by The Indian Hume Pipe Co. Ld., to the grant of a patent on application No. 22723 made by Lock Joint Pipe Co., and notified in Part II of the *Gazette of India*, dated the 3rd July 1937 has been allowed.

Amendment Proceedings.

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that the Dunlop Rubber Co. (India) Ld., of 57-B., Free School Street, Calcutta, seek leave to amend the specification of their application for patent, No. 23595. Any person desirous of opposing the application for amendment should, at any time within three months from the date of this Gazette, give notice of his intention to do so in the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta.

The proposed amendments are as follows :—

In the printed specification—

On page 2, lines 11-12 *delete* the sentence "The first and second twists may be in the same or in opposite directions".

lines 15-16 *delete* the sentence "In each case the successive twists may be in any desired sequence of direction".

Registration of Assignments, Licenses, etc.

Assignments, Licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

13895. Electric and Musical Industries Ld.

17632, 17633 and 17634. International Hydrogenation Patents Co. Ld.

18538 and 19796. International Hydrogenation Patents Co. Ld.

20340. Hemming Gad.

21523. Aktiebolaget Termisk Isolation.

23253. The Holt Bracken Breaker Co. Ld.

Renewal Fees Paid.

PATENTS.

11033. Gaines. (To 5th February 1939).
11270. Marconi's Wireless Telegraph Co. Ld. (To 20th April 1939).
11405. Yates. (To 26th February 1939).
13044. Marconi's Wireless Telegraph Co. Ld. (To 30th April 1939).
14092. Standard Oil Co. of New York (altered to Socony-Vacuum Oil Co., Inc.) (To 23rd February 1939).
15380. Lightalloys Ld., and anr. (To 18th February 1939).
16083. The Barrett Co. (To 5th February 1939).
17443. Dunlop Rubber Co. Ld. (To 2nd November 1938).
18048. Associated Electrical Industries Ld. (To 14th June 1939).
18552. The United Steel Companies Ld. (To 24th June 1939).
18694. National Adhesives Corporation. (To 25th January 1939).
18793. Zublin. (To 7th March 1939).
18885. Philipsen. (To 18th April 1939).
19538. Patentzuenden Union Aktiengesellschaft. (To 3rd January 1939).
19554. Dhani Ram. (To 7th January 1939).
20355. Mhaswadkar. (To 3rd November 1938).
20643. Mather and Platt Ld., and anr. (To 26th February 1939).
20722. Ruping. (To 28th March 1939.)
20778. Electric and Musical Industries Ld. (To 13th April 1939).
21226. Dunlop Plantations Ld. (To 3rd February 1939.)
21648. Filter Tips Ld. (To 12th February 1939.)

Cessation of Patents.

8717. Gerrard and anr.

9745. Nagarkar.

9756. The Westinghouse Brake and Saxby Signal Co. Ld.

2683. Internationale Nahrungs-Und Genussmittel Aktiengesellschaft.

13719. International General Electric Co. Inc.

17420. Tyer and Co. Ld., and anr.

19316. Kaminia Perfumery Co.

19317. Waggon-Fabrik A. G.

20315. Clough.

20330. Alagasingam.

20332. (Miss) Moses.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets:—

Class 3. No. 62767. Dunlop Rubber Co. (India) Ld., of No. 57-B., Free School Street, Calcutta, British India. November 22, 1937. Reciprocity date June 2, 1937.

Class 3. No. 62869. Sunderdas Saw Mills, of Opposite Reay Road Station, Bombay 10, British India. December 20, 1937.

Class 3. No. 62875. Dunlop Rubber Co. (India) Ld., of No. 57-B, Free School Street, Calcutta, British India. December 21, 1937.

Class 3. No. 62916. The Goodyear Tire and Rubber Co., of No. 1144, East Market Street, Akron, Ohio, United States of America. January 7, 1938.

Class 9. No. 62953. Kamelin Lace Mills Ld., of Roshanara Road, Delhi. January 14, 1938.

Class 13. Nos. 62917 to 62933. E. D. Sassoon and Co. Ld., of E. D. Sassoon Buildings, Ballard Estate, Bombay, British India. January 7, 1938.

Class 13. Nos. 62943 to 62946. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. January 12, 1938.

Class 13. Nos. 62951 to 62952. The Indian Bleaching, Dyeing and Printing Works Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. January 14, 1938.

Class 13. Nos. 62955 to 62965. The Bombay Dyeing and Manufacturing Co. Ld., of "Neville House", Graham Road, Ballard Estate, Bombay, British India. January 14, 1938.

Class 13. Nos. 62968 to 62972. The Khatau Makanji Spinning and Weaving Co., Ld., of Laxmi Building Ballard Pier, Fort, Bombay, British India. January 17, 1938.

Class 14. No. 62966. The Bombay Dyeing and Manufacturing Co. Ld., of "Neville House", Graham Road, Ballard Estate, Bombay, British India. January 14, 1938.

Class 14. Nos. 62974 and 62975. The Khatau Makanji Spinning and Weaving Co., Ld., of Laxmi Building, Ballard Pier, Fort, Bombay, British India. January 17, 1938.

Extension of Copyright in Designs.

Copyright in the following design has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of the entry is the date of registration of the design included in that entry :—

Class 3. No. 32481. Spencer and Co. Ld., of Mount Road, Madras, British India. March 22, 1928.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library.
MADRAS	Record Office Egmore
Do.	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa.
POONA	Lord Reay, Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

RESERVE BANK OF INDIA.

NOTIFICATION.

Bombay, the 28th January 1938.

No. 4.—1. Mr. S. R. Shiraly is appointed to act as a Junior Superintendent, Reserve Bank of India, Bombay, with effect from the 26th January 1938, *vice* Mr. P. J. Jeejeebhoy.

2. Mr. P. J. Jeejeebhoy is appointed to act as an Officer, Reserve Bank of India, Agricultural Credit Department, Bombay, with effect from the 28th January 1938, consequent on the services of Mr. B. L. Panjabi being lent to the Government of Behar.

MANILAL B. NANAVATI,

Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICES.

Calcutta, the 25th January 1938.

The following appointments on the Bank's Staff are notified with effect from the 10th January 1938:—

Mr. Dharam Chand Batra to be Godown Keeper-in-Charge, Phagwara Sub-Pay Office (in Kapurthala State) under Jullundur Branch.

Mr. Des Raj Chopra to be Godown Keeper-in-Charge, Bahawalnagar Sub-Pay Office (in Bahawalpur State) under Abohar Branch.

Mr. Puran Chand to be Godown Keeper-in-Charge, Solan Sub-Pay Office (in Baghat State) under Simla Branch.

B. A. C. NEVILLE,

Secretary and Treasurer.

Bombay, the 28th January 1938.

The following appointment on the Bank's Staff is hereby notified:—

Mr. J. E. Aitken resumed charge of his appointment as Agent at Ajmer Branch as from 27th January 1938, *vice* Mr. C. H. S. Durand.

A. McCULLOCH,

Secretary and Treasurer.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

New Delhi, the 29th January 1938.

No. E. B.-15.—Mr. M. N. Ghosh, Assistant Aerodrome Officer, attached to the office of the Chief Aerodrome Officer, Drigh Road, Sind, is granted leave on average pay for 4 months, with effect from the 1st April 1938, or the date from which it is actually taken.

F. TYMMS,

Director of Civil Aviation in India.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona 5, the 25th January 1938.

No. G.-2498/P.-361.—Mr. N. P. Chatterji, M.Sc. (Cal.), Assistant Meteorologist (temporary), on being relieved of his duties at the Meteorological Office, Alipore, Calcutta, on the forenoon of the 3rd January 1938, was transferred to the Upper Air Observatory, Agra, where he joined duty on the afternoon of the 12th January 1938.

No. G.-2499/P.-361.—Mr. S. L. Malurkar, B.Sc. (Mysore), M.Sc. (Cantab.), Assistant Meteorologist, on being relieved of his duties at the Upper Air Observatory, Agra, on the afternoon of the 12th January 1938, has been transferred to the Meteorological Office, Karachi.

No. G.-2500/P.-361.—Mr. S. N. Roy Choudhuri, M.Sc. (Cal.), Professional Assistant (officiating), Karachi, has been appointed to officiate as Assistant Meteorologist, with effect from the forenoon of the 3rd January 1938 *vice* Messrs. N. P. Chatterji and S. L. Malurkar in transit. Mr. S. N. Roy Choudhuri remains posted at Karachi.

C. W. B. NORMAND,

Director General of Observatories.

INTELLIGENCE BUREAU, HOME DEPARTMENT, GOVERNMENT OF INDIA.

NOTIFICATION.

New Delhi, the 29th January, 1938.

No. 25/Ests./36.—Khan Sahib Syed Muhammad Hussain Shah Naqvi, Deputy Central Intelligence Officer, Karachi, has been granted leave on average pay for one month, with effect from the 28th January 1938, or any subsequent date from which he may avail himself of it.

E. V. DRAKE,

for Director,

Intelligence Bureau, Home Department,

Government of India.

ROYAL INDIAN NAVY.

NOTIFICATIONS.

APPOINTMENT.

Bombay, the 25th January 1938.

No. 39.—Engineer-Commander P. R. Wale, R.I.N., is appointed as Manager, Engineering Department, H. M. I. Naval Dockyard, Bombay, with effect from 21st January 1938.

Bombay, the 29th January 1938.

No. 40.—Captain C. J. Nicoll, D.S.C., R.I.N., is appointed Captain Superintendent of the Dockyard, H. M. I. Naval Dockyard, Bombay, with effect from 15th January 1938.

HERBERT FITZHERBERT,

Rear-Admiral,

Flag Officer Commanding,

Royal Indian Navy.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 28th January 1938.

No. S.-100/18.—Mr. E. J. W. West, M.B.E., Divisional Engineer, Telegraphs, is granted leave out of India on average pay for seven months and five days, with effect from the 30th June 1938, preparatory to retirement.

No. S.-177/1.—Mr. L. W. White, Deputy Assistant Engineer, Telegraphs, Grade A, is permitted to retire from service, with effect from the 7th February 1938.

G. V. BEWOOR,

Director General of Posts and

Telegraphs.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M.
Sundays and other Gazetted holidays from 2 P.M. to 5 P.M. }

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 5th February 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,
Indian School of Mines.

DIRECTOR-GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 1st February 1938.

No. 78.—The services of Second Class Assistant Surgeon J. M. Linford, I.M.D., are replaced at the disposal of the Director of Medical Services in India with effect from the 1st January 1938.

New Delhi, the 31st January 1938.

No. 79.—1st Class Assistant Surgeon P. A. Pierce, I.M.D., incharge, X-Ray Department, Ripon Hospital, Simla, is granted leave on average pay for 30 days with effect from the 3rd January 1938.

E. W. C. BRADFIELD,

Major-General, I.M.S.,

Director-General, I. M. S.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 28th January 1938.

No. 44/21.—Mr. E. G. E. Paddon, Officiating District Electrical Engineer, senior scale, has been granted 101 days privilege leave combined with 2 months furlough on full pay plus 3 months and 20 days furlough on half pay to Europe, with effect from the 4th February 1938 or subsequent date of relief.

Calcutta, the 29th January 1938.

No. A. E.-780/1.—Mr. M. M. Khan, Assistant Superintendent, junior scale, Transportation (Power) and Mechanical Engineering Department was appointed to officiate as Superintendent, senior scale, in that Department, with effect from the 5th October 1937.

Calcutta, the 31st January 1938.

No. A. E.-780/1.—Mr. R. M. Watson, Officiating Bridge Engineer, senior scale reverted to his substantive appointment as Assistant Bridge Engineer, junior scale with effect from the 4th January 1938 forenoon.

J. A. BELL,

Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATIONS.

Calcutta, the 26th January 1938.

No. 202-E./33.—With reference to this office Notification No. 34, dated 20th September 1937, Mr. K. B. Roy was allowed to resume duty on 10th January 1938, and the unexpired portion of his leave has been treated as cancelled.

E. L. MANLEY,

Chief Engineer.

Calcutta, the 27th January 1938.

No. 5.—Mr. B. Mazumdar, Offg. District Traffic Superintendent is granted leave on average pay for 3 months, with effect from 27th January 1938 or subsequent date of relief.

L. W. VAN SOMEREN,

Traffic Manager.

Calcutta, the 28th January 1938.

No. 6.—Mr. C. H. Griffiths, Signal Engineer, is granted leave preparatory to retirement for 8 months and 2 days, *viz.*, leave on average pay for 8 months and half average pay for the remaining period with effect from 9th March 1938.

A. F. HARVEY,

Agent.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 20th January 1938.

No. 8.—Mr. A. G. Hall, Officiating Divisional Executive Engineer, North Western Railway on deputation with the Government of Burma, is granted leave (out of India) for one year and 3 months, *viz.*, leave on average pay for 8 months and on half average pay for the remaining period, with effect from 1st April 1938 or subsequent date of relief.

Lahore, the 25th January 1938.

No. 10.—Mr. S. N. Palmer, Assistant Executive Engineer, passed the professional examination prescribed in paragraphs 639—641 of the State Railway Construction Code held on 17th and 18th January 1938.

Lahore, the 1st February 1938.

No. 11.—Mr. A. A. Shah, Assistant Transportation Officer, is granted leave on average pay for 2 months and 19 days with effect from 3rd November 1937.

C. F. CARSON,

Lt.-Col., R.E.,

Agent.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 27th January 1938.

No. 21620-S.-2070.—Mr. T. S. Sankaran, Assistant Executive Engineer (Junior Scale) was granted 3 days leave on average pay, from 12th February 1937, and 5 days leave on average pay from 20th April 1937, to regularise absence on account of sickness.

Mr. Nazir Sani, Assistant Engineer (Lower Gazetted Service) availed himself of 2 days leave on average pay, from 9th October 1937, and 15 days leave on average pay, from 4th December 1937, instead of 20 days leave, from that date as previously notified.

Mr. Anise Ahmed, Assisant Executive Engineer (Junior Scale) was granted 15 days leave on average pay, from 8th December 1937.

Mr. C. Blanche, Assisant Transportation Superintendent (Lower Gazetted Service) has been granted 2 years combined leave, (*viz.*, 7 days privilege, and 1 year, 11 months and 23 days furlough on half pay) preparatory to retirement, with effect from 12th December 1937.

Mr. W. G. Alcock, Secretary to the Agent (Senior Scale) who was granted 9 months and 12 days combined leave, from 8th March 1937, was granted an extension of one day's furlough on half pay, from 20th December 1937, by the High Commissioner for India and a further extension of one day's furlough on 21st December 1937 by the Agent.

Mr. H. H. Callaghan, Assistant Transportation Superintendent (Lower Gazetted Service) who was granted 8 months and 16 days combined leave, from 5th April 1937, was granted 2 days extension of furlough on half pay, from 21st December 1937 by the High Commissioner for India, London.

Mr. S. M. Amir, Assistant Transportation Superintendent (Junior Scale) who was granted 2 months and 13 days leave on average pay, from 2nd November 1937, has been granted 17 days extension of leave, from 14th January 1938.

Mr. N. K. Kanitkar, Assistant Transportation Superintendent (Junior Scale) has been appointed to officiate in the Senior Scale, from 20th October 1937.

Mr. C. Clough, Officiating Loco. Foreman has been appointed to officiate as Assistant Transportation Superintendent in the Lower Gazetted Service, from 2nd November 1937.

Mr. C. W. Clarke, Assistant Mechanical Engineer (Junior Scale 'A') has been appointed to officiate as Mechanical Engineer in the Senior Scale 'A', from 9th November 1937.

Mr. S. L. Saksena, Assistant Mechanical Engineer (Junior Scale 'A') has been appointed to oficiate as Mechanical Engineer in the Senior Scale 'A', from 18th November 1937.

Mr. E. S. Woolridge, Leading Draftsman, has been appointed to officiate as Chief Mechanical Draftsman in the Lower Gazetted Service, from 18th November 1937.

Mr. H. Rideau, Leading Draftsman, has been appointed to officiate as Dynamometer Car Officer in the Lower Gazetted Service, from 1st December 1937.

L. WILSON,

Agent.

OFFICE OF THE CONTROLLER OF ARMY FACTORY ACCOUNTS, CALCUTTA.

List of Government promissory notes and other securities remaining in deposit with the Controller of Army Factory Accounts, Calcutta, on 31st December 1937, on account of security deposits of Contractors, etc.

No.	Designation of Officers from whom received and to whom interest is sent, where interest is drawn.	Amount of Investment.						Total.
		3½ per cent. 1879.	3½ per cent. 1900-01.	4 per cent. 1960—70.	5 per cent. 1945—55.	Post Office Savings Bank Pass Book.	Bank deposit receipt.	
1	Director of Contracts, Simla. Contractors—Messrs. Mackenzie Lyall & Co., Calcutta.	500	100	8,400	..	..	..	(a) 9,000 0 0
2	Superintendent, Gun Carriage Factory, Jubbulpore. Contractor—Mr. Sharda Prasad.	..	..	..	..	25 0 10	..	25 0 10
3	Superintendent, Gun Carriage Factory, Jubbulpore. Contractors—Messrs. Ahmadi & Co., Shahjahanpur.	..	..	..	..	1,800 0 0	..	1,800 0 0
4	Superintendent, Gun Carriage Factory, Jubbulpore. Contractors—Messrs. Rattee Ram & Sons., Fatehgarh, U. P.	..	(a) 1,000	..	(a) 100	100 0 0	..	1,200 0 0
5	Superintendent, Gun Carriage Factory, Jubbulpore. Contractor—Mr. Bhagwan Dutt Sharma, Jubbulpore.	..	..	..	..	25 0 0 100 0 0	..	125 0 0
6	Superintendent, Gun Carriage Factory, Jubbulpore. Contractor—Anokhey Lall Dube, Jubbulpore.	..	..	..	..	84 0 0 161 0 0	..	245 0 0
7	Superintendent, Gun Carriage Factory, Jubbulpore. Contractors—Messrs. Ghasiram & Sons, Jubbulpore.	..	..	..	..	525 4 10	..	525 4 10
8	Superintendent, Gun Carriage Factory, Jubbulpore. Contractors—Messrs. Mohammad Ishaq & Sons, Pilibhit.	..	..	..	..	..	200	200 0 0

(a) Interest drawn.

No.	Designation of Officers from whom received and to whom interest is sent, where interest is drawn.	Amount of Investment.						Total.
		3½ per cent. 1879.	3½ per cent. 1900-01.	4 per cent. 1960—70.	5 per cent. 1945—55.	Post Office Savings Bank Pass Book.	Bank deposit receipt.	
9	Director of Contracts, Simla.	..	300	..	..	..	..	300 0 0
	Contractors—Messrs. P. Sett & Co., Calcutta.							
10	Superintendent, Gun Carriage Factory, Jubbulpore.	..	..	..	..	94 0 0	..	94 0 0
	Contractors—Haji Shaikh Bachcha, Jubbulpore.							
11	Superintendent, Gun Carriage Factory, Jubbulpore.	..	..	..	..	25 0 0	..	25 0 0
	Contractor—Chooraman, Jubbulpore.							
12	Superintendent, Gun Carriage Factory, Jubbulpore.	..	..	..	..	1,970 0 0	..	1,970 0 0
	Contractor—Kishen Singh, Almora.							
13	Superintendent, Gun Carriage Factory, Jubbulpore.	..	..	..	..	101 0 0	..	101 0 0
	Contractor—Mr. Baboo Lall, Jubbulpore.							

N. C. DUTT,

Dy. Asstt. Contr. of Army Factory Accounts.

Calcutta, the 31st January 1938.

LIST OF NEW BOOKS PUBLISHED DURING JANUARY 1938.

NOTE.—(1) Where a symbol is given, preceding the name of the publication, it is requested that the symbol only be given when indenting and *not* the name of the Publication.

(2) Prices are inclusive of packing and Indian postage.

ACTS AND LAW BOOKS.

Acts.

1922.

XI—INDIAN INCOME-TAX—As modified upto the 15th November 1937. *As. 6 or 8d.*

1937.

XXIX—INDIAN MINES (AMENDMENT) ACT. *Anna 1 or 1½d.*

Statutes, Rules and Orders.

FEDERAL COURT—

FC.1. Rules of the —, 1937. *As. 3 or 4d.*

AGRICULTURE AND FORESTRY.

MISCELLANEOUS BULLETINS—

ICAR.8.16. No. 16—Indian Grazing Conditions and the Mineral Contents of some Indian Fodders (Lander). *Rs. 3-14 or 6s. 9d.*

ARTS AND SCIENCES.

Archæology.

EPIGRAPHIA INDO-MOSLEMICA—

EMI.1.34A. 1933-34 (Supplement). *Rs. 7 or 11s. 3d.*
Contents :—
Inscriptions from the Bombay Presidency. (Nazim).

Meteorology.

SCIENTIFIC NOTES—

DGO.19.VII.74. Vol. VII, No. 74—The Rainfall in the Indian Peninsula associated with Cyclonic Storms from the Bay of Bengal during the Post Monsoon and Early Winter Seasons. (Revised on 3rd October 1936). *Re. 1-10 or 2s. 9d.*

CIVICS AND ADMINISTRATION.

Administration and Departmental Reports.

SALT DEPARTMENT, BENGAL—

CBR.3.37. Report on the Administration of —. 1936-37. *Re. 1-4 or 2s.*

Civil Lists.

FINANCE DEPARTMENT, GOVERNMENT OF INDIA, AND DEPARTMENTS UNDER ITS ADMINISTRATIVE CONTROL—

CLASSIFIED LIST OF OFFICERS IN THE—

AG.1.II.37. 30th November 1937. *Re. 1-8 or 2s. 6d.*

GOVERNMENT OF INDIA DIRECTORY –

HD.6.II.37. November 1937. *As. 12 or 1s. 3d.*

INDIAN POLITICAL SERVICE—

PCD.4.1 (N). Quarterly List No. 1. Corrected up to 1st July 1937. *Rs. 2-2 or 4s.*

PCD.4.2. (N). Quarterly List No. 2. Corrected upto 1st October 1937. *Rs. 2-2 or 4s.*

Committees and Commissions.

COAL MINING COMMITTEE—

IL.44.I. Report, Vol. I, 1937. (Reprint). *Rs. 3-2 or 5s. 6d.*
IL.44.II. Evidence, Vol. II, 1937. (Reprint). *Rs. 3 or 5s. 3d.*

Politics.

DEBATES—

COUNCIL OF STATE—

CS.5.II.15.37. Vol. II, No. 15, 22nd November 1937. *As. 5.*
CS.5.II.16.37. Vol. II, No. 16, 23rd November 1937. *As. 5.*
CS.5.II.17.37. Vol. II, No. 17, 24th November 1937. *As. 5.*
CS.5.II.18.37. Vol. II, No. 18, 25th November 1937. *As. 5.*

PARLIAMENTARY. EXTRACTS RELATING TO INDIAN AFFAIRS—

HOUSE OF COMMONS—

SESSION 1936-37—

IL.17.10.37. Part X (5th July to 22nd October 1937). *Anna 1 or 1d.*

Ruling Princes.

CHAMBER OF PRINCES (NARENDRA MANDAL)—

PCD.3.37. (N). Proceedings of the Meetings of the—held at New Delhi on 24th and 25th February 1937. *Re. 1 or 1s. 9d.*

ENGINEERING.

General.

INDIAN ROADS MAGAZINE—

PRE.1.XII. (N). November 1937. *Re. 1 or 1s. 9d.*

RAILS—

PRB.1.303 (N). Wear of — on Curves and Check-rail Clearances required on Curves of ° and sharper (Railway Board Technical Paper No. 303). *Re. 1-6 or 2s. 6d.*

REINFORCED CONCRETE BEAMS—

PRB.32 (N). Indian Railway Standard Charts for Determining the strength of —, 1937. *Re. 1 or 1s. 9d.*

FINANCE.

General.

EXCISE ADMINISTRATION IN INDIA. MEMORANDUM, INTOXICATING LIQUORS—

CBR.14.35. 1934-35. (20th Edition). *Rs. 11 or 18s.*

MILITARY.

MGS-E 51 (N). **ENGINEER TRAINING**, 1937. (War Office). *Re. 1-14 or 2s. 6d.*

EQUIPMENT REGULATIONS—

ARMY (INDIA)—

MCR-R 300 (N). **BRITISH CAVALRY LIGHT TANK REGIMENT**, 1937, Part 2, Sec. II-D. *Rs. 2 or 3s. 6d.*

EXAMINATION IN ORIENTAL LANGUAGES—

QUESTION PAPERS—

HINDUSTANI. COLLOQUIAL—

MSE-C 10 (N). November 1937. *As. 2 per set.*

HINDUSTANI. HIGHER STANDARD—

MSE-H 85 (N). November 1937. *As. 2 per set.*

HINDUSTANI. LOWER STANDARD—

MSE-L 106 (N). November 1937. *As. 2 per set.*

URDU. INTERPRETERSHIP—

MSE-I 102 (N). November 1937. *As. 4 per set.*

URDU. TEACHERSHIP—

MSE-T 57 (N). November 1937. *As. 2 per set.*

LIST OF CHANGES IN WAR MATERIAL AND OF PATTERNS OF MILITARY STORES FOR H. M.'S ARMY SERVING IN INDIA—

MO-LC 1-12/36. Index for 1936. *(not for sale).*

MO-LC 1/38 (N). January 1938. *(not for sale).*

PRICE LIST OF ROYAL AIR FORCE EQUIPMENT (India)—

MAF-I 18 (N). **INSTRUMENTS, CAMERAS, PARACHUTES, GASEOUS APPARATUS, ETC.**, 1937, Part IV, Secs. 6-A to F., 13, 14-A, 14-B, 15-A and 15-B. *(not for sale).*

RANGE AND PROJECTION SCALES—

MO-R 71 (N). **B.L. 6-INCH GUNS. MARKS VII AND XXI FOR VELOCITIES FROM** 1600 f.s. to 1400 f.s. **(HALF CHARGE) STANDARD PROJECTILE : H. E. MARK XXB. FUZE NO.** 45 **OR** 45**P. WEIGHT** 99½ **lb**, 6 C. R. H. (13th October 1937) (26/Manuals/1879). *(not for sale).*

RANGE TABLES—(WAR OFFICE)—

B.L. 6-INCH GUNS. MARKS VII AND XXI (HALF CHARGE)—

MO-R 72 (N). Mountings. Central Pivot ; Mark II. Mark V, Coast DefenceS tandard Projectile : H. E., Mark XXB, Fuze No. 45 or 45P, Weight 99½ lb. C. R. H. 6 (Provisional) (13th October 1937). (26/Manuals/1880). *(not for sale).*

MO-R 73 (N). Mounting Coast Defence Standard Projectiles : H.E., Mark XXB, Fuze No. 45 or 45-P. Weight 99½ lb. C. R. H. 6 (Provisional) (13th October 1937). (26/Manuals/1881). *(not for sale).*

ROUTES—

AFGHANISTAN, SOUTH-EAST—

MGS-R 123 (N). (Sixth Edition), 1937. *(not for sale).*

SCORING BOOKS—

SOLDIERS—

MGS-S 161 (N). Table " B " India (Roman-Urdu), 1937 (Reprint). *As. 3 or 4d.*

TRAINING MANUALS—

CAVALRY TRAINING (MECHANIZED)—PAMPHLETS—

MGS-C 41 (N). No. 1, 1937. Armoured Cars. *As. 6 or 6d.*

VOCABULARY OF ORDNANCE STORES—

SECTION N-3—2 PR. TANK OR ANTI-TANK GUNS AND MOUNTINGS OR CARRIAGES—

MO/V 15 (N). Army (Home) 1937. *(not for sale).*

WAR EQUIPMENT TABLES (INDIA), (NEW SERIES)—

MCR-W 1/198 (N). **AN ADVANCED HEADQUARTERS MOVEMENT (RAILWAY TRAFFIC) STAFF AND A HEADQUARTERS MOVEMENT (RAILWAY TRAFFIC) AREA**, 1937. I. A. F. F. 980-245-A. *(not for sale)*

MCR-W 1/194 (N). **MOBILE ELECTRICAL AND MECHANICAL COMPANY**, 1937. I. A. F. F. 980-80 (A). *(not for sale).*

TRADE AND COMMERCE.

General.

COMMERCIAL INFORMATION FOR INDIA—

CD.32. Handbook, Third Edition, 1937. *Rs. 2 or 3s. 6d.*

CROP FORECASTS, 1937-38—

COTTON—

DGCIS.29.2.3.38. Third Forecast. *As. 3 or 4d.*

INDIAN CUSTOMS TARIFF—

DGCIS.5.14. Fourteenth Issue. *As. 3 or 4d.*

Contents :—

Reprint of the First and Second Schedules appended to the Indian Tariff Act, XXXII of 1934 (as in operation on 1st January, 1938) showing the rates of Customs duties levied on goods imported into, and exported from, British India, together with the tariff values fixed for certain articles under Government of India, Commerce Department, Notification No. 73-T.-(7)/37, dated the 11th December, 1937, for the purpose of assessment of Customs duties during the twelve months January to December, 1938.

PORTUGUESE POSSESSIONS IN INDIA—

DGCIS.49.34. Accounts of the trade of the — for the nine calendar years. 1926 to 1934 (Supplement to the Annual Statement of the Sea-Borne Trade of British India). *Rs. 2-14 or 5s.*

Industrial.

LARGE INDUSTRIAL ESTABLISHMENTS IN INDIA—

DGCIS.38.13. 1935. (Thirteenth issue). *Rs. 5-4 or 8s. 6d.*

STANDARD SPECIFICATION—

INDIAN RAILWAY— *As. 8 or 10d. each.*

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H 22-37	Nails, wire.
T 13-37	Fans Bolts, Indian Railway Standard.

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P. I.-74 D. (Revised October 1937)	Generators and Motors, Industrial Type, Direct Current, with Class A Insulation.
P. I.-76 D. (Revised November 1937)	Transformer, Core type, Oil immersed, self-cooled for power and lighting.
P. I.-77 D. (Revised November 1937)	Alternators Salien Pole, Revolving Field, Engine Driven with Class "A" Insulation.
P. I.-81 F. (Revised November 1937)	Switchboard, Direct Current Open Type, When Voltage does not exceed normally 650 volts.
P. I.-43 L. (Revised October 1937)	Engines, Internal Combustion (using Crude oil).

TRADE AND COMMERCE—*contd.*

Periodicals.

	COTTON SPINNING AND WEAVING IN INDIAN MILLS—	
DGCIS.12.8.37.	August 1937.	*As. 10 or 1s.*
	EXPORTS OF INDIAN ARTWARE AND SPORTS GOODS—	
DGCIS.14.10.37.	October 1937.	*Re. 1-2 or 2s.*
	JOINT STOCK COMPANIES—	
DGCIS.17.8.37.	August 1937.	*As. 10 or 1s.*
	TRADE AND NAVIGATION—	
	BRITISH INDIA, MONTHLY ACCOUNTS RELATING TO—	
DGCIS.11.9.37.	Coasting— September 1937.	*Rs. 4 or 6d. 9d.*
DGCIS.13.11.37.	Sea-borne— November 1937.	*Re. 1-6 or 2s. 3d.*
	TRADE AT STATIONS ADJACENT TO LAND FRONTIER ROUTES—	
DGCIS.18.9.37.	September 1937.	*As. 14 or 1s. 6d.*
	TRADE OF INDIA—	
	INLAND (RAIL AND RIVER-BORNE), ACCOUNTS RELATING TO—	
DGCIS.19.7.37.	July 1937.	*Rs. 2-2 or 4s.*
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	INDIAN GOVERNMENT TRADE COMMISSION, MILAN—	
DGCIS.50.37.	Report on the work of the —, 1936-37.	*Rs. 4-8 or 5s. 11d.*
	INDIAN TRADE COMMISSIONER, LONDON—	
DGCIS.3.37.	Report on the work of the —, 1936-37.	*Rs. 3-10 or 4s. 8d.*
	TRADE AND NAVIGATION—	
	ADEN—	
CCA.1.37.	Report for the year 1936-37 (with Statements 1 to 29).	*Rs. 18-4 or 29s.*

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REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, FEBRUARY 12, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 12th February 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

January 31, 1938.

24882. E. I. Smith. Improvements in band saw machines.

24883. R. Furness, L. Anderson and Joseph Crosfield & Sons, Ld. Manufacture of ion-exchanging materials. February 9, 1937).

24884. E. B. Higgins. Improvements relating to the water-proofing treatment of textile fabrics and the like.

24885. Radio Corporation of America. Improvement in antiground noise recording system.

24886. O. Reynard and Thomas Ness Ld. Improved process and apparatus for the distillation of tar or pitch. (July 16, 1937).

24887. Imperial Chemical Industries Ld. Improvements in or relating to the production of impregnated sheet materials resembling leather.

24888. Ruhrchemie Aktiengesellschaft. Process for producing lubricating oils. (October 19, 1937).

24889. Societe de Prospection Electrique, Procedes Schlumberger. Methods and arrangements for determining the nature of the geological formations traversed by a drill hole by simultaneous measurement of several parameters of the rocks.

24890. A. G. Freeborn. A method of treating water so as to prevent the effects of hardness.

24891. The Linde Air Products Co. Improvement in electric welding apparatus. (October 28, 1937).

24892. G. H. Sheffield, and G. H. Sheffield & Co. (Engineers) Ld. Improvements in the construction of bogie trucks for railway and like vehicles. (August 27, 1937).

24893. Monotype Machine (Colonial Patents) Syndicate Ld. Improvements in or relating to typographical composing machines. (May 13, 1937).

24894. Durant & Huguenin A. G. Improved process for printing textile materials.

24895. Sulzer Freres Societe Anonyme. Process and apparatus for the removal of salts from the working medium flowing in a circuit through a high pressure flow-through tubular steam generator, engine and condenser.

24896. E. S. Persson. Improvements in or relating to windows having coupled sashes.

February 1.

24897. R. L. Revri. Improvements in or relating to valves for foot valves.

24898. J. E. R. Simons. Improvements in or relating to devices for driving posts, stakes and the like into the ground. (February 2, 1937).

February 2.

24899. Projectafilm, Ld. Improvements in or relating to display devices. (February 4, 1937).

24900. A. L. McWilliam, E. L. Goodman and McLeod & Co. Ld. Improved pressure cap operating mechanism for tea-leaf rolling machines.

February 3.

24901. A. Ferretti. Improvements in or relating to the manufacture of artificial textile fibres.

24902. P. R. Damzen. Improvements in or relating to liquid raising means.

24903. Wire-Wound Gas Containers Ld. Improvements relating to containers for compressed gases.

24904. Wire-Wound Gas Containers Ld. Improvements relating to containers for compressed gases.

February 4.

24905. M. R. Khan. "Colonel" fan.

24906. M. Shaffi. Process of manufacturing Almunium circles.

24907. E. R. Mountstephen, W. J. Wood, and A. G. Spence. Improvements in Automatic Burglar, fire or like alarms. (February 15, 1937).

24908. A. L. McWilliam, E. L. Goodman and McLeod & Company Limited. Improvements in or relating to the hoods or leaf containers for tea-leaf rolling machines.

24909. Binny & Company (Madras) Limited. Improvements in and relating to water proof, weather proof and/or rot proof materials and to methods of and means for manufacturing the same.

24910. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). Improvements in convey or worm.

Alteration of Date.

(I)

23680. The claim to priority date 26th February 1936 has been disallowed and the application dated as of 13th February 1937, the date of filing in India.

(II)

23795. The claim to priority date 27th March 1936 has been abandoned and the application dated as of 22nd March 1937, the date of filing in India.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23369. The General Electric Co. Ld. Improvements in or relating to electric discharge devices. (November 28, 1935). *Extra high pressure lamp having a resistant vitreous sheath between discharge path and a sealed envelope having a non-resistant part.*

23654. P. M. Chaubal. Improvements in or relating to vaporising devices. *Vessel containing water adapted to be supported within the hood of a hurricane lantern and provided with outlet pipe.*

23680. A. W. Knight. Improvements in and connected with floating bridges. *Arched in horizontal plane and buoyant upon water.*

23795. V. Elkington. Improvements in and relating to manhole covers and frames. *Cover and frame sections are equally thick and fit closely to form air and watertight joint.*

24108. Universal Oil Products Co. Process for the alkylation of paraffin hydrocarbons. *Paraffin hydrocarbons treated with olefines at temperature of — 50°c to 75°c using chloride of aluminium and/or zirconium and Hydrogen chloride as catalyst.*

24109. Universal Oil Products Co. Process for the production of paraffin hydrocarbons. *Subjecting isobutane and gaseous olefines in the pres ence of aluminium chloride and hydro hloride at temperatures of —50°c t 0°c.*

24209. Handstaubsauger G os en ellschaft m. b. H. Improvements and relating to vacuum cleaners. *Do uble acting pump enclosed in a casi n g and having hollow piston rod, the cylinder being closed at both ends.*

24268. British Celanese Ld. Improvements in the manufacture of staple fibre products from continuous filaments. (July 31, 1936). *Groups of separated fibres cut and assembled in such manner that the forward ends of each group extend beyond the rearward ends of fibres of the preceding group and then compacting the fibres.*

24330. A. T. Masterman. Improvements in and relating to vaporising devices. (August 17, 1936). *Funnel like member surrounding a plurality of atomising jets.*

24524. H. Lodge. Improvements in ventilators. *Cowl of square or rectangular shape rotarily mounted on a standard and having wind vane.*

24525. E. I. duPont de Nemours and Co. Improvements in process and apparatus for mineral separation. *Wet separating process using an organic liquid in a closed system.*

24546. Owens-Illinois Glass Co. Improvements in and relating to apparatus for forming glass articles. *Delivering charge of glass to moulds by a chute and inverting charge in its passage from chute to mould.*

24547. Corning Glass Works. Improvements in and relating to the tempering of glass articles. *Chilling bath comprising of alkaline earth nitrate.*

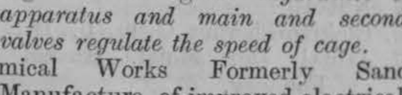
24554. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to resonant electrical lines. *Concentric conductors alternately joined at opposite ends.*

24557. Metropolitan-Vickers Electrical Co., Ld. Improvements relating to control equipments for winding, hoisting, hauling and like gear. *Hydraulic serro apparatus and main and secondary valves regulate the speed of cage.*

24560. Chemical Works Formerly Sandoz. Manufacture of improved electrical insulating material from cellulose. (November 5, 1936). *Cellulose free from salts of inorganic acids containing sulphur, selenium and phos.*

24581. J. Brandwood. Improvements relating to the dyeing of textile fibres. *Imposing a stencil upon a wound package of the fibres and passing the colouring liquid through such stencil and through the uncovered portion of the wound roving by differential pressure.*

24587. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of disazo-dyestuffs insoluble in water. (November 16, 1936). *Coupling with an arylide of 2 hydroxy naphthalene 3 carboxylic acid the diazo compound from an aminoazocompounds of the formula*



when R_1 and R may be further substituted by nitro or halogen and alkyl or alkoxygroups respectively.

24588. E. I. Du Pont De Nemours and Co. Manufacture of improved insecticidal compounds and compositions containing them. *Amides of the formula*

$$R{:}CO{:}N.\!<^{R^1}_{R^{11}}$$

in which R_2 R^1 and R^{11} stand for hydrogen or alkyl radicals having more than seven carbon atoms by reacting an amine or ammonia with the necessary acid chloride or ester.

Printed Specifications Published.

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23244. Farrer.
23269. Dr. Khan.
23522. D'Istria.
23525. Marsden.
23544. Standard Telephones and Cables Limited.
23549. Reiss.
23553. Gerrard Industries Limited.
23562 Bratt.
23621. H. G. Ferguson (commonly known as Harry Ferguson).
23668. Larsson-Letzen.
23671. Corning Glass Works.
23705. Societe de Prospection Electrique, Procedes Schlumberger.
23718. The General Electric Co. Ld.
23742. Schweizerische Lokomotive & Maschinenfabrik.
23759. Braithwaite & Co. Engineers, Ld., and Anderson.
23821. Lund.
23858. Wellman Seaver Rolling Mill Co., Ld.
23860. Marconi's Wireless Telegraph Co., Ld.
23867. Universal Oil Products Co.
23887. Nuttall.
23899. Elektro-Thermit G. m. b. H.
23917. Jamal Din Mohd. Husain Zamindar Foundry.
24006. Patel.
24054. Wood.
24064. Hugo Schneider Aktiengesellschaft.
24082. Conrad.
24112. Aluminium Colors, Incorporated.
24123. Pinazza.
24124. Hugo Schneider Aktiengesellschaft.
24125. Hugo Schneider Aktiengesellschaft.
24131. Hugo Schneider Aktiengesellschaft.
24223. Mitra.
24239. Co-operative Wholesale Society, Ld., and Foulkes.
24241. Varadaraja Iyengar.
24246. Patel.
24255. Cartledge.
24267. Master and Lalkaka.
24352. Glenfield and Kennedy, Limited and Ball, Junior.
24353. The Keelavite Company, Limited.
24371. Evans, Wright, and Brammer.
24375. Salfisberg.
24387. Refining, Inc.
24407. Bleeck.
24409. Clutsom.
24416. Owens-Illinois Glass Co.
24417. Owens-Illinois Glass Co.
24418. Greenfield.
24419. Davy and Sha.
24429. Hugo Schneider Aktiengesellschaft.
24439. Societe Anonyme des Charbonnages de Beeringen.
24441. I. G. Farbenindustrie Aktiengesellschaft.
24442. Owens-Illinois Glass Company.
24443. Owens-Illinois Glass Company.
24445. Owens-Illinois Glass Company.
24452. Cox.
24467. Colombo Commercial Company Limited and Young.
24468. Jefferies, and Peirce, Leslie & Company Limited.
24478. Knoll A. G., Chemische Fabriken.
24497. Jefferies and Peirce, Leslie & Company Limited.
24515. I. G. Farbenindustrie Aktiengesellschaft.
24585. Astbury and Chibnall.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

22969. The General Electric Company Limited.
23364. British Celanese, Ld.
23449. Electrolux Ld.
23532. Caston.
23675. Ansel.
23704. The General Electric Co., Ld.
23731. Douzille.
23739. Casablancas.
23875. Greenfield.
23877. Trimming, and Thackwell.
23919. Jan.
24001. Solanas.
24029. Platt.
24031. Hay.
24032. Magnani.
24102. Zan.
24113. Callender's Cable and Construction Co., Ld.
24172. Wright.
24175. Vogel Jorgensen.
24179. Remfry.
24180. Remfry.
24191. The Wahl Co.
24194. Seri Holding S. A.
24198. Alexander.
24201. Mason.
24207. deBerry.
24208. deBerry.

Patents Sealed.

22998. Nagao.
23258. Roscher and Hansing, trading in partnership as Roscher & Hansing, and Suberkrub.
23370. Holroyd.
23373. Altenkirch.
23693. The American Securit Co.
23694. The American Securit Co.
23720. The General Electric Co. Ld.
23748. Davy and Sha.
23749. Davy and Sha.
23959. Callender's Cable & Construction Co. Ld.
23974. Watson.
23995. Marconi's Wireless Telegraph Co. Ld.
24020. Bromilow & Edwards Ld.
24024. Lahiri.
24076. Fechner and Wussow.
24103. I. G. Farbenindustrie Aktiengesellschaft.
24104. Ruhrchemie Aktiengesellschaft.
24107. I. G. Farbenindustrie Aktiengesellschaft.
24156. Pescara.

Opposition Proceedings.

I.

The opposition entered by S. R. Lalkaka to the restoration of patent No. 17565 granted to W. P. Warren, and notified in Part II of the *Gazette of India*, dated the 18th September 1937 has been disallowed.

II.

This is an opposition entered by L. Nagel to the grant of a patent on application No. 24369 made by W. A. Flick.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

Nos. 10097 and 10098. Koppers Co.

Renewal Fees Paid.

PATENTS.

9003. Saklatwalla. (To 12th February 1939).
9204. Mitchell and anr. (To 17th April 1939).
9947. The Honourable Sir C. A. Parsons. (To 14th March 1939).
10066. Kreissig. (To 6th February 1939).
10095. National Malleable & Steel Castings Co. (To 18th February 1939).
11168. National Malleable & Steel Castings Co. (To 27th January 1939).
12135. I. G. Farbenindustrie Aktiengesellschaft. (To 15th March 1939).
12724. Muller. (To 4th February 1939).
13081. National Malleable & Steel Castings Co. (To 2nd February 1939).
13042. Standard Telephones and Cables Ld. (To 9th March 1939).
14095. Standard Telephones and Cables Ld. (To 27th February 1939).
14145. Low Temperature Carbonisation Ld. (To 12th March 1939).
14311. Aktiebolaget Siefvert & Fornander. (To 23rd April 1939).
15363. Casablancas. (To 11th February 1939).
15442. Heerdt-Lingler G. m. b. H. (To 4th March 1939).
16785. Standard Telephones and Cables Ld. (To 10th March 1939).
16786. Standard Telephones and Cables Ld. (To 10th March 1939.)
16795. The New Jersey Zinc Co. (To 10th March 1939).
16823. Dunlop Rubber Co. Ld. (To 21st March 1939).
16824. Dunlop Rubber Co. Ld. (To 21st March 1939).
16825. Dunlop Rubber Co. Ld. (To 21st March 1939).
17633. The Gas Light & Coke Co., and anr. (To 8th March 1939).
17634. The Gas Light & Coke Co., and anr. (To 29th March 1939).
17674. Steel Scaffolding Co. Ld. (To 6th January 1939).
17752. Executors of James Mills Ld. (To 2nd February 1939).
17780. Allen. (To 15th February 1939).
17793. Associated Telephone and Telegraph Co. (To 17th March 1939).
17855. Maschinenfabrik Carl Wiessner Kommandit Gesellschaft. (To 12th March 1939).
17913. Petroleum Conversion Corporation. (To 30th March 1939).
18035. Universal Winding Co. (To 2nd April 1939).
18664. Claude-Lumiere Societe Anonyme pour les Applications des Gaz Rares a la Lumiere Procedes Georges Claude. (To 17th March 1939).
18712. Madgavkar. (To 2nd February 1939).
18740. Robinson. (To 15th February 1939).
18747. Percy. (To 19th February 1939).
18764. "Ringfeder" G. m. b. H. (To 26th February 1939.)
18807. Callender's Cable and Construction Co. Ld., and anr. (To 2nd April 1939).
18835. Low Temperature Carbonisation Ld. (To 29th March 1939).
18836. Mitchell and anr. (To 5th May 1939).
19467. C. A. Parsons & Co. Ld. (To 24th March 1939).
19574. Kooyman. (To 16th January 1939).
19613. Curtis. (To 1st February 1939).
19628. The Distillers Co. Ld., and ors. (To 10th March 1939).
19629. The Distillers Co. Ld., and ors. (To 22nd March 1939).
19655. Frei. (To 13th February 1939).
19700. Naamlooze Vennootschap : Electro en Autotechnisch Bureau Ullrich & Co. (To 14th March 1939).
19710. Bruno Nier. (To 9th March 1939).
19742. I. G. Farbenindustrie Aktiengesellschaft. (To 20th March 1939).
19793. Boots Pure Drug Co. Ld. (To 26th April 1939).
19859. Kamesam. (To 27th April 1939).
20038. Vogel-Jorgensen. (To 6th July 1939).
20453. Liesen & Co. (To 12th December 1938.)
20541. Molony. (To 22nd January 1939).
20554. Hayden. (To 23rd January 1939).
20575. Wood. (To 5th February 1939).
20605. Molony. (To 13th February 1939).
20609. Fasting. (To 9th March 1939).
20639. Casablancas. (To 24th February 1939).
20646. Imbert. (To 26th February 1939).
20688. Metallgesellschaft, Aktiengesellschaft. (To 12th March 1939).
20713. Societe Anonyme Pour Les Applications De L'Electricite Et Des Gaz Rares Etablissements Claude-Paz and Silva. (To 22nd March 1939).
20745. Middelboe. (To 8th April 1939).
20843. Hoffmann. (To 7th May 1939).
20970. Middelboe. (To 28th June 1939).
21269. Standard Telephones aod Cables Ld. (To 16th March 1939).
21299. Standard Telephones and Cables Ld. (To 16th March 1939).
21618. Murray Colour Controls Ld. (To 8th February 1939).

Cessation of Patents.

13744. Societe Anonyme d'Ougree Marihaye.
17490. Karimullah.
17494. Seiferth.
17503. MacLeod.
18453. Fried Krupp Aktiengesellschaft.

18471. Heberlein & Co. A.-G.
19336. Roy.
19341. Bullimore.
20333. Chadray.
20337. The Cold White Light Inc.
20341. International Bitumen Emulsions Corporation.
20342. International Bitumen Emulsions Corporation.
20343. International Bitumen Emulsions Corporation.
20347. I. G. Farbenindustrie Aktiengesellschaft.
20348. Marshall and ors.
20352. Burn & Co. Ld.
20449. Naamlooze Vennootschap Machinerieen-en Apparaten Fabrieken.
21080. J. H. Vavasseur & Co., Ld.

Appeal Proceedings.

On the appeal filed by The Indian Hume Pipe Co. Ld., against the decision of the Contr ller of Patents and Designs, refusing to accept patent application No. 22056, and notified in Part II of the *Gazette of India*, dated the 6th February 1937, the Central Government have set aside the said decision and have remanded the application to the Controller for final disposal.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets:—

Class 1. No. 62999. Qayamuddin *alias* Moti Borlawala, s/o Qamruddin, of Mohalla Bisatian, Chokri Ghat Gate, Jaipur, Rajputana, British India. January 25, 1938.

Class 3. No. 62765. Dunlop Rubber Co. (India) Ld., of No. 57-B, Free School Street, Calcutta, British India. November 22, 1937. (Reciprocity Date May 29, 1937).

Class 3. No. 62796. Sorab D ssabhoy Hormusji Korkhau, and Chimanlal Godarchand Shah, of 259, Bazar Gate Street, Fort, Bombay. November 29, 1937.

Class 3. No. 62868. Sunderdas Saw Mills, of Opposite Reay Road Station, Bombay 10, British India. December 20, 1937.

Class 13. No. 62954. The Bombay Dyeing & Manufacturing Co. Ld., of "Neville House", Graham Road, Ballard Estate, Bombay, British India. January 14, 1938.

Class 13. Nos. 62987 and 62988. The Indian Bleaching, Dyeing & Printing Works Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. January 20, 1938.

Class 13. Nos. 62993 and 62994. Lilaram Kewalram, of Kharadur, Karachi, British India. January 22, 1938.

Class 13. No. 63000. E. D. Sassoon & Co. Ld., of E. D. Sassoon Building, Ballard Estate, Bombay, British India. January 25, 1938.

Class 14. No. 62973. The Khatau Makanji Spinning & Weaving Co. Ld., of Laxmi Building, Ballard Pier, Fort, Bombay, British India. January 17, 1938.

Extension of Copyright in Designs.

Copyright in the following design has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of each entry is the date of registration of the design included in that entry:—

Class 13. No. 32756. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. April 10, 1928.

Class 13. Nos. 33156, 33175 and 33198. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. April 23, 1928.

Class 13. No. 33257. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. April 30, 1928.

Class 13. No. 33343. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. May 7, 1928.

Class 13. No. 33649. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. May 21, 1928.

Class 13. No. 33819. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. May 28, 1928.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the design included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets.

Class 3. Nos. 56441 and 56442. Dunlop Rubber Co. Ld., of Fort Dunlop, Erdington, Birmingham, England. February 6, 1933.

Class 13. No. 56683. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. April 12, 1933.

Class 13. No. 56703. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. April 20, 1933.

Class 13. No. 56765. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. May 4, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Officce
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). . .	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

RESERVE BANK OF INDIA.

NOTIFICATION.

Bombay, the 2nd February 1938.

No. 5.—On return from deputation to the Inspection Department Mr. S. W. Hodges is posted as a Junior Superintendent, Reserve Bank of India, Issue Department, Bombay, with effect from the 31st January 1938, *vice* Mr. D. V. Bapat reverted.

MANILAL B. NANAVATI,

Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Calcutta, the 2nd February 1938.

The following appointment on the Bank's Staff is hereby notified:—

Mr. J. P. R. Lees to officiate as Agent, Karachi Branch, as from the close of business on the 27th January 1938, *vice* Mr. H. Douglas.

W. LAMOND,

Managing Director.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Return of the Rupee Debt of the Central Government of India for 30th November 1937.

[Thousands of R

PUBLIC DEBT BEARING INTEREST.

Particulars.	Date of issue.	Conditions of Repayment.	Amount outstanding.	TOTAL.
			Rs.	Rs.
TREASURY BILLS .	..	....	39,21,00	
WAYS AND MEANS ADVANCES.	..	....	1,00,00	
POST OFFICE CASH CERTIFICATES.	..	....	61,30,59	
POST OFFICE SAVINGS BANK DEPOSITS.	..	....	78,60,82	
PROVIDENT FUNDS AND OTHER UNFUNDED DEBT.	..	....	78,55,00	2,58,67,41
TERMINABLE LOANS—				
5½% Loan, 1938-40 .	1st Oct. 1932 .	On or before 1st October 1940, but not preceding 1st October 1938, with three months' previous notice.	19,13,90	
5% Loan, 1939-44 .	15th July 1929	On or before 15th July 1944, but not preceding 15th July 1939, with three months' previous notice.	27,78,12	
5% Loan, 1940-43 .	1st Oct. 1932 .	On or before 1st October 1943, but not preceding 1st October 1940, with three months' previous notice.	25,18,48	
3% Bonds, 1941 . .	15th Sept. 1934	On 15th September 1941 .	10,67,32	
4% Bonds, 1943 . .	1st Feb. 1933 .	On 1st August 1943 . .	14,97,18	
5% Income Tax Free Loan, 1945-55.	15th Oct. 1919	On or before 15th October 1955, but not preceding 15th October 1945, with three months' previous notice.	56,74,94	
3½% Loan, 1947-50 .	15th May 1933	On or before 15th November 1950, but not preceding 15th November 1947, with three months' previous notice.	55,94,37	
2¾% Loan, 1948-52 .	1st June 1936 .	On or before 1st June 1952, but not preceding 1st June 1948, with three months' previous notice.	12,01,28	
3% Loan, 1951-54 .	15th Sept. 1935	On or before 15th September 1954, but not preceding 15th September 1951, with three months' previous notice.	15,12,85	
4½% Loan, 1955-60	15th Sept. 1928	On or before 15th September 1960, but not preceding 15th September 1955, with three months' previous notice.	9,05,70	
4% Loan, 1960-70 .	15th Sept. 1926	On or before 15th September 1970, but not preceding 15th September 1960, with three months' previous notice.	63,30,26	3,09,94,40
NON-TERMINABLE LOANS—				
THREE AND HALF PER CENT.—				
1842-43 . . .	1st Feb. 1843 .	At the option of the Government of India after three months' notice.	23,84,73	
1854-55 . . .	30th June 1854	Ditto . . .	20,82,92	
„ coupon (a) .	..	Ditto . . .	5,65	
1865 . . .	1st May 1865 .	Ditto . . .	38,44,57	
Reduced, 1879. .	16th Jan. 1879.	Ditto . . .	2,71,70	
1900-01 . . .	30th June 1900	Ditto . . .	36,11,63	1,22,01,20
THREE PER CENT.—				
1896-97 . . .	22nd July 1896	Ditto . . .	3,16,04	3,16,04
RAILWAY LOANS—				
Maharaja Holkar, 4½ p. c.	(1870-77). .	After 101 years . . .	70,00	
Maharaja Scindia, 4 p. c.	..	..	1,50,00	2,20,00
		TOTAL .		6,95,99,05*

PUBLIC DEBT NOT BEAR[ING] INTEREST.

Particulars.	Date of discharge.
5½% War Bonds, 1920.	15th Aug. 1920.
5½% War Bonds, 1921.	15th Sept. 1921.
5½% War Bonds, 1922.	15th Aug. 1922.
5½% War Bonds, 1923.	15th Sept. 1923.
4% Terminable Loan of 1915-16.	30th Nov. 1923.
5½% War Bonds, 1925.	15th Sept. 1925.
6% Bonds, 1926.	15th Sept. 1926.
6% Bonds, 1927.	1st Oct. 1927.
5½% War Bonds, 1928.	15th Sept. 1928.
6% Bonds, 1930.	15th Aug. 1930.
6% Bonds, 1931.	15th Sept. 1931.
6% Bonds, 1932.	1st Oct. 1932.
5% War Loan, 1929-47.	15th May 1933.
4% Conversion Loan of 1916-17.	1st July 1933.
6% Bonds, 1933-36.	15th Aug. 1933.
5% Bonds, 1933.	1st Sept. 1933.
4% Loan, 1934-37.	16th Aug. 1934.
4½% Bonds, 1934.	15th Sept. 1934.
5% Bonds, 1935.	15th Sept. 1935.
6½% Treasury Bonds, 1935.	15th Sept. 1935.
	TOTAL

(a) Issued in London in conversion of the 4½ per cent. Loan.
* Amount held in London is 7,66,81.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES,
New Delhi, the 4th February 1938.

T. K. RAJAGOPALAN,
Accountant General, Central Rev

SURVEY OF INDIA.

List of maps published during the month of December 1937.

GEOGRAPHICAL, GENERAL AND SPECIAL MAPS.—Obtainable from the Officer in Charge, Map Record & Issue Office, 13, Wood Street, Calcutta.

Description.	Year of Survey.	Date of edition.	Number of sheets.	Size per sheet in inches.	Price.	Remarks.
GEOGRAPHICAL MAPS.					Rs. AS.	
INDIA AND ADJACENT COUNTRIES SERIES.						
(Scale 1 : 1,000,000.)						
Sheet No. 25 "Bandar ʻAbbās"	..	1937	1	26×22	1 8	Ordinary Edition. Fourth (Revised) Edition.
" " 48 "Belgaum" .	..	1937	1	26×22	1 8	Ordinary Edition. Third (Revised) Edition. In black and brown.
SPECIAL MAPS.						
CANTONMENT MAPS.						
(Scale 16 inches to 1 mile.)						
* Nasīrābād Cantonment .	1935-36	1937	8	Various	2 0 or 16 0 per set.	Third (Revised) Edition.
MISCELLANEOUS MAPS.						
(Scale 1·014 inches to 40 miles.)						
† Highlands of Tibet and Surrounding Regions.	..	1936	2	45×35	8 0 per set.	First Edition.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record & Issue Office, 13, Wood Street, Calcutta.

Index Number.	District, &c.	Year of Survey.	Date of edition.	Price.	Remarks.
				Rs. AS.	Underlining for Map Catalogue :—
	1. HALF-INCH MAPS.				(a) Double red line.
	(Scale 1 inch to 2 miles.)				
45 I/S.W.	Parts of Bīkaner and Jodhpur (or Mārwār) States.	1935-36	1937	2 0	(a)
73 D/N.W.	Parts of Athmallik, Baudh, Rairākhol and Sonepur States and Khondmāls District.	1932-33	1937	2 0	(a)

Reference:—List of maps for October 1937—Page 2, last line, footnote, please read 67 for 64 and List of maps for November 1937—Sheets Nos. 64 O/2 and 64 O/5 are complete maps.

*This supersedes Serial No. 188 of Appendix 5 of the Map Catalogue.

† " " " " 7 of " 7 of " " "

List of maps published during the month of December 1937.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record & Issue Office, 13, Wood Street, Calcutta—*contd.*

Index Number.	District, &c.	Year of Survey	Date of edition.	Price.	Remarks.
	2. ONE-INCH MAPS. (*Scale 1 inch to 1 mile.*)			Rs. As.	Underlining for Map Catalogue :— (*a*) Double red line.
39 L/6	Parts of Dera Ghāzi Khān District and Bahāwalpur State.	1935-36	1937	1 8	(*a*)
53 C/16	Parts of Karnāl and Rohtak Districts.	1935-36	1937	1 8	Second (Revised) Edition.
*63 F/10	Parts of Bāra Banki, Fyzābād, Rāe Bareli and Sultānpur Districts.	1912-13	1937	1 8	Second Edition.
65 M/11	Parts of Koraput District ..	1935-36	1937	1 8	(*a*) Complete map.
65 M/12	Parts of Vizagapatam and Koraput Districts.	1935-36	1937	1 8	(*a*)
65 M/16	Parts of Vizagapatam, Ganjām and Koraput Districts.	1935-36	1936	1 8	(*a*) Complete map.
*72 K/12	Parts of Bhāgalpur and Monghyr Districts.	1935-36	1937	1 8	
74 B/1	Parts of Vizagapatam and Ganjām Districts.	1934-35	1936	1 8	(*a*) Complete map.
83 D/11	Parts of Cāchār, Lushai Hills and Sylhet Districts.	1908—10	1937	1 8	Second Edition.
†93 —/12	Parts of Southern Shan States .	1935-36	1937	1 8	(*a*)
†93 L/10 and Part of 93 L/14 (Old Burma 511).	Ditto .	1901—83	1937	1 8	Reprinted with additions and corrections.

*Gridded copies of these maps can be supplied at annas three per copy extra.

†The entire stock of these maps has been transferred to the Curator, Government Book Depot, Burma, Rangoon from whom all particulars can be obtained on application.

Stock copies of the following maps were gridded during the month :—

56 J, 56 K, 41 J/11 and 15 (old Bombay 60) and 63 F/7.

C. G. LEWIS, *Brigadier,*

Surveyor General of India.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 3rd February 1938.

No. 1623.—Mr. M. M. Mudaliar, M.A., Superintendent, is granted under the Fundamental Rules leave on average pay for four months from the 1st March 1938 or subsequent date of availing.

There is every likelihood of his returning to the post from which he proceeds on leave.

C. G. LEWIS,

Brigadier,

Surveyor General of India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M.
Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 12th February 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI.

NOTIFICATION.

New Delhi, the 3rd February 1938.

No. 908.—Mr. P. V. Krishna, Ayyar, M.A., Statistician, Imperial Agricultural Research Institute, is granted earned leave for 13 days from 7th February 1938.

B. VISWA NATH,

Director.

IMPERIAL VETERINARY RESEARCH INSTITUTE, MUKTESWAR.

NOTIFICATION.

Mukteswar-Kumaun, U. P., the 2nd February 1938.

No. C./122.—Mr. A. H. Mohuddin, B.Sc. (Agri.), is appointed to the post of Estate Manager, Imperial Veterinary Research Institute, Mukteswar, in the scale Rs. 200—15—500 per mensem on probation for two years, with effect from the 28th January 1938.

W. TAYLOR,

Offg. Director,

Imperial Veterinary Research Institute.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

New Delhi, the 8th February 1938.

No. E. B.-15.—Mr. J. R. Tandon, Assistant Aerodrome Officer, Civil Aerodrome, Cawnpore is granted 'earned leave' for 30 days, with effect from the 15th February 1938, or the date from which it is actually taken.

F. TYMMS,

Director of Civil Aviation in India.

DIRECTOR-GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATION.

New Delhi, the 7th February 1938.

No. F. 10-1/38-2-P.—Lt.-Col. E. S. Goss, M.C., I.M.S., Officer-in-charge, Medical Store Depot, Madras, is granted privilege leave for two months, with effect from the 15th March 1938, or date of availing combined with leave on private affairs ex-India up to 25th September 1938, preparatory to retirement.

E. W. C. BRADFIELD,

Major-General, I.M.S.,

Director-General, I.M.S.

DEPARTMENT OF CENTRAL EXCISES AND SALT, NORTHERN INDIA.

NOTIFICATIONS.

Delhi, the 18th January 1938.

No. 4.—L. Amar Nath Nanda, Superintendent, Warcha Circle, Salt Range Division, is granted leave on average pay for 6 days, from the 3rd to the 8th January 1938, with permission to affix holidays from 24th December 1937 to 2nd January 1938 and 9th January 1938.

(F. No. 14-Et./38).

The 25th January 1938.

No. 5.—In supersession of this office Notifications No. 81, dated the 24th August 1937 and No. 116, dated the 12th November 1937, Mr. Abid Husain, Superintendent, Bahadur Khel Circle, North-West Preventive Division, is granted 3 months and 29 days leave on average pay, from the 22nd August 1937 to the 20th December 1937.

(F. No. 219-Et./37).

The 29th January 1938.

No. 7.—L. Damodar Das, Superintendent-in-charge, General Manager's Office, Sambhar, is granted leave on average pay for 10 days, with effect from the 21st January 1938.

(F. No. 26-Et./38).

F. C. KING, I.C.S.,

Commissioner,

Central Excises and Salt,

Northern India.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 7th February 1938.

No. 194-An.—Mr. Bhagat Ram, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions, has been granted privilege leave for one month and seven days, with effect from the forenoon of the 20th January 1938, with permission to affix Sunday, the 27th February 1938 and the gazetted holiday on the 28th February 1938 to this leave.

No. 195-An.—Mr. J. Ramaswami Chetti, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions, has been granted combined leave for one month, with effect from the forenoon of the 20th January 1938, including privilege leave for nine days and furlough on half average salary for the remaining period. He is permitted to affix Sunday the 20th February 1938 to this leave.

No. 196-An.—The undermentioned accountants in the office of the Controller of Military Accounts and Pensions, have been appointed to officiate as Deputy Assistant Controllers of Military Accounts in that office, with effect from the dates noted against their names:—

Mr. Satgur Parshad—20th January 1938 F. N.

Mr. Jhanda Singh—22nd January 1938 F. N.

No. 197-An.—Mr. Shiv Ram Kakar, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, reverted to his substantive grade, with effect from the forenoon of the 24th January 1938.

No. 198-An.—Mr. Chintaharan Banerjee, an accountant in the office of the Controller of Military Accounts and Pensions, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the forenoon of the 1st February 1938.

New Delhi, the 8th February 1938.

No. 199-An.—Mr. Banna Ram, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command reverted to his substantive grade, with effect from the afternoon of the 29th January 1938.

No. 200-An.—*Corrigendum.*—In this Department Notification No 167-An., dated the 29th November 1937, published in the *Gazette of India*, Part II, dated the 2nd December 1937, for the date "28th February 1938" read "20th February 1938".

No. 201-An.—Mr. I. D. Abbey, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, has been granted an extension of privilege leave on medical grounds for 21 days, with effect from the forenoon of the 30th January 1938, in continuation of the leave granted to him in this Department Notification No. 169-An., dated the 8th December 1937, published in the *Gazette of India*, Part II, dated the 11th December 1937.

M. R. COBURN,

Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

New Delhi, the 8th February 1938.

No. S. 77/11.—Mr. Bhagat Singh, M.A., officiating Deputy Postmaster-General, Bengal and Assam Circle, is granted leave out of India on average pay for eight months with effect from the 1st March 1938 or the date of his relief.

G. V. BEWOOR,

Director General of Posts and Telegraphs.

INCOME TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 29th January 1938.

No. 14152-C.T./2-E./45.—Mr. M. Mannan, B.Sc., Income-tax Officer, Rajshahi-Pabna is allowed under Fundamental Rule 81(*b*)(*ii*) an extension of leave on average pay for 2 months and 5 days, with effect from the 24th December 1937 to 28th February 1938.

Calcutta, the 30th January 1938.

No. 14166-A.-C.T./2-E./47.—Mr. K. C. Goswami, B.L., Superintendent of Survey, is appointed to act as Income Tax Officer, Companies District 11, Calcutta, during the absence on leave of Mr. F. A. Robertson, Income Tax Officer, or until further orders.

S. N. BANERJEA,

Commissioner of Income-tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 3rd February 1938.

No. E. P.-332.—Mr. Dev Datt, Executive Engineer, senior scale has been granted 8 months leave on average pay out of India with effect from the 1st March 1938 or subsequent date of relief.

No. A. E.-785.—Mr. H. J. Darling, Chief Electrical Engineer has been granted an extension of 3 days leave on average pay with effect from the 6th January 1938 in continuation of 3 months and 27 days leave on average pay out of India granted to him with effect from the 10th September 1937, *vide Gazette of India*, Part II, Notification No. A. E.-785, dated the 6th September 1937.

Calcutta, the 4th February 1938.

No. O.P.E.-418/Pt. 5.—Mr. E. L. M. Marcon, Lower Gazetted Service Officer, Transportation Traffic and Commercial Department has been granted 15 days privilege leave in India, with effect from the 7th February 1938 or subsequent date of relief.

J. A. BELL,

Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 1st February 1938.

No. 80-E./16.—(1) The following Officers of the Civil Engineering Department, Eastern Bengal Railway, are promoted from the Senior Scale 'Provisional' to the Senior Scale 'Permanent' with effect from the date noted against each:—

Name.	Date of promotion.
Mr. H. N. Sahgal . . .	6th November 1937.
,, H. K. Koregaokar . .	4th January 1938.

(2) Mr. Phool Chand, Assistant Executive Engineer, Eastern Bengal Railway, is promoted to the Senior Scale provisionally with effect from the 4th January 1938.

A. F. HARVEY,

Agent.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 1st February 1938.

No. 12.—Mr. Daya Chand, Assistant Executive Engineer, is granted leave on average pay for 15 days, with effect from 25th December 1937.

Lahore, the 8th February 1938.

No. 17.—Mr. H. J. Morden, Assistant Works Manager, is granted leave (out of India) on average pay for eight months, with effect from 7th March 1938, or subsequent date of relief.

C. F. CARSON,
Lt.-Col., R.E.,
Agent.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 1st February 1938.

No. 21620-S.-2080.—Mr. A. E. Aylott, Assistant Signal and Interlocking Engineer (Lower Gazetted Service) availed himself of 9 months and 20 days combined leave (*viz.*, 4 months privilege, 4 months furlough on full pay and 1 month and 20 days furlough on half pay) from 17th December 1936, instead of 10 months leave from that date as previously notified.

Mr. F. X. Lobo, Assistant Executive Engineer (Junior Scale) was granted 3 months and 13 days leave on average pay from 28th August 1937, to regularise absence on account of sickness.

Mr. A. W. Bruce-Joy, Assistant Transportation Superintendent (Senior Scale). The extension of 4 months and 11 days furlough on half pay from the 16th October 1937, has been treated as furlough on half pay from 16th October 1937 to 5th January 1938 and quarter pay from 6th January 1938 to 26th February 1938 and not furlough on half pay for the entire period as previously notified.

Mr. Daulat Ram, Assistant Engineer (Lower Gazetted Service) was granted one month and 18 days leave on average pay from 25th December 1937.

Mr. A. R. Tanner, Assistant Transportation Superintendent (Junior Scale) has been granted 2 years combined leave (*viz.*, 1 month 7 days privilege and 1 year 10 months and 24 days furlough on half pay) preparatory to retirement with effect from 15th January 1938.

Mr. C. H. de Souza, Assistant Mechanical Engineer (Junior Scale) has been granted 4 months leave on average pay with effect from 24th January 1938.

L. WILSON,
Agent.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, FEBRUARY 19, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until ırther notice, Parts I, I-A, II, II-A, III, IV, and Supplement to the *Gazette of India* will e published in New Delhi. Notifications in-ended for publication in those parts with the xception of Part III should be addressed to the lanager, Government of India Press, New Delhi. dvertisements, notices, etc., for publication in 'art III should be sent to the Manager of Publica-ons, Civil Lines, Delhi.

Notifications and other matters intended for blication in the *Gazette of India* should reach e Press not later than 4 P.M. on Thursdays. xceptions may be allowed only in the case matter of extraordinary urgency which can-ot be held over for the next *Gazette* and which nnot be sent to the Press in time, provided reaches the Press by 6 P.M. on Thursdays. such cases, a notice, indicating the probable nount of space required and signed by an officer t below the rank of Assistant Secretary, must given to the Manager of the Press before 4 P.M. Thursdays. In the absence of such notice, all atter received after 4 P.M. on that day will be ld over for publication in the next week's zette.

nual rates of subscription including packing and Indian postage.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 19th February 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

February 7, 1938.

24911. L. Gardner & Sons, Ld. Improvements in impeller shaft packings for water pumps. (February 12, 1937).

24912. Dyckerhoff Portland-Zementwerke Aktiengesellschaft. Process for the production of pure alumina.

24913. J. Stein. Improvements in rubber compounds or products and method of making the same.

24914. The Continental Investment Syndicate, Ld. Improvements in and relating to the manufacture of artificial stone. (February 8, 1937).

24915. Pittsburgh Plate Glass Co. Improvements in process and apparatus for bending and tempering glass sheets.

24916. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to modulator carrier wave transmitters.

24917. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to electron discharge devices.

24918. F. Vasarhelyi and N. H. Moos. Improvements in or relating to joints for permanent way rails.

24919. F. Vasarhelyi and N. H. Moos. Improved expansion joint for railway permanent way rails.

February 8.

24920. Bennett (Hyde), Ld. Process for the emulsifying or mixing of liquid or viscous substances and apparatus therefor. (February 9, 1937).

February 9.

24921. Hugo Schneider Aktiengesellschaft. Improved wire clip for securing or connecting the sieve plate of a hurricane lantern to the inner slidable metal chimney.

24922. K. P. Paul. A metal pipe bending machine.

24923. G. G. Johnston. An improved method of and apparatus for generating a reducing gaseous mixture controlled and continuous at low temperature and for commercial utilization of the gaseous mixture. (February 10, 1937).

24924. W. S. Freeman. Improvements in stoppers for bottles, jar and similar containers. (February 10, 1937).

February 10.

24925. Procedes Techniques De Construction. Improved method and apparatus for the production of pavement kerbs, road surfaces, floorings and the like, or other structures such as conduits and the like. (September 22, 1937).

24926. R. B. Amin. Improvements in or relating to pump operating means.

24927. R. B. Amin. Improvements in or relating to hand pumps.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23669. Prosthetic Products, Ld. An improved method and apparatus for covering surfaces with foil. (January 8, 1937). *Applying fluid pressure equally and evenly to the foil covered surface through the medium of a flexible diaphragm.*

23810. A. T. Gillespie. Improvements in and relating to methods of and means for maintaining perishable or other goods under conditions of refrigeration. *Refrigerating unit in the form of a plate completely sealed off to atmosphere and containing refriegerating medium.*

23840. P. H. Sidhwa and J. R. Kanga. Improved manner of forming light-weight concrete or blocks, slabs, etc., of the same. *Mixing concrete containing light aggregates with an aluminous cement.*

24158. Standard Oil Development Co. Single cable electrical well-logging. *Passing alternating current through earth strata adjacent the well between a pair of electrodes and measuring potential difference and electrical impedance of the strata.*

24328. J. Stone & Company, Limited. Improvements relating to driving means for auxiliary apparatus on vehicles. (August 22, 1936). *Longitudinal shaft of apparatus is geared to transverse shaft which is connected by belt to vehicle axle.*

24483. N. V. Philips' Gloeilampenfabrieken. Improvements in or relating to electric discharge tubes. *Electrode consists of copper with zirconium.*

24496. H. K. Das. Improvements in or relating to pags for suspending clothes. *Peg cut out from plate and secured in opening thus formed in the plate.*

24531. N. Ganapath Rao. An improved reversible automatic cloth guider. *Two rollers kept parallel by adjustable springs a plate mounted in a reversible tilting frame and means for adjusting the range of tilting of the frame.*

24578. Dunlop Rubber Co. (India), Ld. Improvements in tyres for wheels. (October 30, 1936). *Circumferentially extensible rubber bands secured to annulus of limited extensibility positioned between them, inner band having transverse ribs.*

24580. G. H. Bennett. Improvements in or relating to hermetically sealed tins, canisters, jars and like containers. *A flat jointing ring wedged obliquely between the flange of the cover and the lower edge of the inwardly projecting outwardly directed groove formed in the body.*

24592. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to radio and like receivers. (December 31, 1936). *Control circuit for operating relay device for two-way tuning of a receiver having an assymmetrical automatic frequency control.*

24606. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of stable colloidal dispersions of metals. (December 12, 1936). *Water soluble oxyalkyl cellulose and a procoalbinate or a lysalbinate used as dispersing agent.*

24618. G. W. Willis. Process for the manufacture of iron, steel and ferrous alloys from pig iron. *Adding sodium sulphate and lime stone successively to molten pig iron at 1600-2000°C.*

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

22996. The General Electric Co., Ld.
23033. Corning Glass Works.
23324. Gupta.
23328. Standard Telephones and Cables, Ld.
23420. Parkinson, Vint and Gardner.
23444. Tirunarayanan.
23465. The General Electric Co., Ld.
23535. The General Electric Co., Ld.
23592. Chobert.
23698. Richardson.
23719. Copper Sheets Manufacturing Co., Ld.
23722. Stewards and Lloyds, Ltd.
23783. Roy.
24023. Varshney.
24090. Corning Glass Works.
24093. Corning Glass Works.
24149. Gazdar.
24153. Mehta.
24165. Cowper and D'Rozario.
24168. Elektrotechnische Fabrik Schmidt & Co. G. m. b. H.
24174. Condelex, A. G.
24186. Owens-Illinois Glass Co.
24187. Professor Dr. Unger and Professor Dr. Hilpert.
24188. Alder & Mackay, Ld.
24195. Dennison and Saxby & Farmer (India), Ld.
24206. Stirling and Samuel Fox & Co., Ld.
24232. Peters and Kuhlisch.
24233. Kyause.

Patents Sealed.

21900. Gibson and Gillan.
22867. Gibson and Gillan.
23193. Paul.
23225. Hossain.
23237. International General Electric Co. of New York, Ld.
23376. Automatic Telephone and Electric Co., Ld.
23442. Maltby's Motor Works and Garage, Ld., and Redfern.
23524. Societe Financiere de Transports et D'Entreprises Industrielles (Sofina) Societe Anonyme.
23550. Stableford.
23551. Coats and Hafner.
23736. The General Electric Co., Ld.
23778. Siemens Bros. & Co., Ld.
23838. Collins Improved Firebars Ld., and Robson.
23904. The Tata Iron & Steel Co., Ld.
24055. Asa Singh.
24129. Seri Holding S. A.
24132. Gyss.
24154. Becker, and Steinberg.
24163. Societe Industrielle Hellenique Des Gazofacteurs Berhoudar S. A.

Opposition Proceedings.

This is an opposition entered by Hermann Nier to the grant of a patent on application No. 24429 made by Hugo Schneider Aktiengesellschaft.

Renewal Fees Paid.

PATENTS.

10116. Winby. (To 25th February 1939).
11192. Halliburton. (To 26th March 1939).
11287. Chemische Fabrik Griesheim Elektron. (To 6th March 1939).
12063. British Arca Regulators, Ld., and anr. (To 11th March 1939).
12192. Det Norske Aktieselskab for Elektrokemisk industri. (To 12th April 1939).
13098. Metcalfe and anr. (To 23rd March 1939).
14214. Bunting. (To 1st April 1939).
16373. Roberts. (To 24th April 1939).
16714. Lawrence. (To 10th February 1939).
17047. Pulp Industries, Ld. (To 25th March 1939).
17767. Stewart. (To 9th February 1939).
17856. Rogers. (To 12th March 1939).
17896. Kennedy. (To 23rd March 1939).
18645. Chapman. (To 11th January 1939).
18751. Anger. (To 22nd February 1939).
18752. Anger. (To 22nd February 1939).
18777. Anger. (To 28th February 1939).
18794. Fairbairn Lawson Combe Barbour, Ld. (To 24th March 1939).
18805. Marconi's Wireless Telegraph Co., Ld. (To 16th April 1939).
18839. The Symington Co. (To 29th March 1939).
18923. Kennedy. (To 7th May 1939).

19029. Macdonald. (To 15th July 1947).
19586. Angirah. (To 20th January 1939).
19664. Cooper. (To 17th February 1939).
19719. Mayo. (To 13th March 1939).
19734. Chemische Fabrik Rundenheim Aktiengesellschaft. (To 20th March 1939).
19737. Hirschfield. (To 23rd March 1939).
19777. Callender's Cable & Construction Co., Ld. (To 28th April 1939).
19781. The Wahl Co. (To 3rd April 1939).
19855. The Standard Stoker Co. Inc. (To 24th March 1939).
19933. Comptoir d'Appareils Textiles S ; a. r. l. (To 16th February 1939).
20357. The Wahl Co. (To 3rd April 1939).
20556. Karim. (To 23rd January 1939).
20693. Wood and ors. (To 14th March 1939).
20694. Wood and ors. (To 14th March 1939).
20792. Det Norske Aktieselskab For Elektrokemisk Industri. (To 16th April 1939).
20827. Stanco Incorporated. (To 30th April 1939).
20991. J. Stone & Co., Ld. (To 10th July 1939).
21661. Barnes. (To 20th February 1939).
21714. Molins and anr. (To 23rd March 1939).
21768. Callender's Cable and Construction Co., Ld. (To 6th April 1939).
21831. Macleans, Ld. (altered to A. C. M., Ld.). (To 12th May 1939).

Cessation of Patents.

10805. Creed & Co., Ld., and anr.
13760. Potter.
17294. Williams.
18477. Eklund.
19253. Marconi's Wireless Telegraph Co., Ld.
19356. Vevaina.
19357. Vevaina.
20359. Nesfield Retorts, Ld.
20360. Eichmann and anor.
20363. Schweizerische Industrie Gesellschaft.
20364. Schweizerische Industrie Gesellschaft.
20365. Nygaard.

Restoration Proceedings.

Notice is hereby given that an order was made on the 2nd February 1938, restoring the original patent numbered 17674 and dated as of the 6th January 1930 along with the patent of addition to the said original patent, numbered 17895 and dated as of the 20th May 1930, granted to Steel Scaffolding Co., Ld., for an invention for "Improvements in and relating to joints or connections for tubular bodies".

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 13. Nos. 63002 to 63009. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. January 28, 1938.

Class 13. Nos. 63014 to 63018. The Standard Mills Co., Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. January 31, 1938.

Class 13. Nos. 63019 and 63021. The Indian Bleaching, Dyeing and Printing Works, Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. January 31, 1938.

Class 14. Nos. 63010 and 63011. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. January 28, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 1. Nos. 56650, 56651 and 56652. P. M. Madurai Moodaliar & Sons, of Bangalore City (Mysore), India. April 5, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.

CAWNPORE . .	. Harcourt Butler Technological Institute.
DACCA . .	. Sadar Registration Office.
DELHI . .	. Office of the Superintendent of Industries.
LAHORE . .	. Punjab Public Library.
LUCKNOW . .	. Amiruddaula Public Library.
MADRAS . .	. Record Office, Egmore.
Do. . .	. College of Engineering.
PATNA . .	. Office of the Director of Industries, Bihar and Orissa.
POONA . .	. Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	. Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). .	. The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON . .	. Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATIONS.

Bombay, the 14th February 1938.

No. 6.—1. Mr. E. J. D'Costa, was appointed to act as Senior Superintendent, Reserve Bank of India, Madras, for the undernoted periods, *vice* Mr. C. V. Raja Rao placed on special duty:

15th November 1937 to 17th November 1937,

25th November 1937 to 30th November 1937,

3rd December 1937 to 13th December 1937.

2. Mr. G. Subrahmanyam was appointed to act as Senior Superintendent, Reserve Bank of India, Madras, for the undernoted periods, *vice* Mr. C. V. Raja Rao placed on special duty:

14th December 1937 to 17th December 1937,

21st December 1937 to 30th December 1937.

3. Mr. C. Gnanasambandam was appointed to act as Junior Superintendent, Reserve Bank of India, Madras, for the undernoted periods, *vice* Mr. E. J. D'Costa temporarily promoted as Senior Superintendent and then granted leave:

15th November 1937 to 17th November 1937,

25th November 1937 to 30th November 1937,

3rd December 1937 to 20th December 1937.

4. On return from leave Mr. E. J. D'Costa was reposted as Junior Superintendent, Reserve Bank of India, Madras, with effect from the 21st December 1937, *vice* Mr. C. Gnanasambandam reverted.

No. 7.—Mr. S. K. Bhattacharjee, is appointed to act as Junior Superintendent, Reserve Bank of India, Issue Department, Calcutta, with effect from the 1st February 1938, *vice* Mr. L. Penheiro proceeded on leave.

MANILAL B. NANAVATI,

Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Calcutta, the 14th February 1938.

The following appointment on the Bank's Staff is hereby notified:—

Mr. J. Robertson to officiate as Superintendent, Advances Department, Bombay, as from the close of business on the 10th February 1938, *vice* Mr. R. S. Paton.

W. LAMOND,

Managing Director.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 14th February 1938.

No. 1624.—Mr. C. S. McInnes, Extra Assistant Superintendent, is granted privilege leave for 1½ months under the Civil Service Regulations, with effect from the 21st March 1938 or subsequent date of availing.

C. G. LEWIS,

Brigadier,

Surveyor General of India.

OFFICE OF THE DEPUTY ACCOUNTANT GENERAL

List of Government Promissory Notes and Debentures kept in the custody of the Accountant General, P...

Serial No.	Name of person or Fund on whose behalf held.	3%	2¾%	3½ per cent.						3 per cent.			4 per cent.				
		Madras Govt. Loan 1953.	1948-52.	1842-43.	1854-55.	1865	1879.	1900-01.	1947-50.	1896-97.	1941.	1951-54.	1915-16.	Punjab Govt. Bonds, 1948.	1916-17.	1960-70.	1934-37.
	Security Deposit of Postal Servants and Contractors.																
1	N. Subrayudu	...	...	...	...	200	...	...	...	...	...	...	...	...	...	...	...
2	Fani Bhusan Mukherjee.	...	...	...	...	...	...	300	...	...	...	...	...	...	...	...	...
3	Hem Chandra Bysack.	...	...	...	300	...	...	...	...	...	...	...	...	...	...	...	...
4	Killick Nixon & Co., Mail Contractors.	...	...	...	3,000	200	100	200	...	...	...	...	...	...	...	...	...
5	Mani Mohan Bose	...	...	300	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Atul Krishna Banerjee.	...	...	...	...	400	...	...	...	...	...	...	...	...	...	...	...
7	Shriram Shivram Thakur.	...	...	...	...	...	...	300	...	...	...	...	...	...	...	...	...
8	J. C. Nazareth	...	...	...	...	400	...	...	...	...	...	...	...	...	...	...	...
9	V. K. Lagu	...	...	...	...	500	...	...	...	...	...	...	...	...	...	...	...
10	Ashutosh Pal	...	...	200	...	...	...	...	...	...	...	...	...	...	...	...	...
11	G. T. Sitharamiah	...	...	...	...	...	...	...	...	200	...	...	...	...	...	...	...
12	E. Raja Row	...	...	...	200	...	...	...	...	...	...	...	...	...	...	...	...
13	Aksuoy Kumar Bhowmik.	...	...	...	300	...	...	...	...	...	...	...	...	...	...	...	...
14	Mohendra Nath Chaterjee.	...	...	400	...	...	...	...	...	...	...	...	...	...	...	...	...
15	H. Raghunath Rao.	...	...	...	500	...	...	...	...	...	...	...	...	...	...	...	...
16	Shib Dayal Dubay	...	...	...	200	...	...	...	...	...	...	...	...	...	...	...	...
17	Abdul Gani	...	...	...	...	...	...	200	...	...	...	...	...	...	...	...	...
18	M. M. Sundara Rajulu Naidu.	...	...	...	...	...	...	200	...	...	...	...	...	...	...	...	...
19	A. J. Lanzado	...	...	...	...	...	...	500	...	...	...	...	...	...	...	...	...
20	Messrs. Shaw Wallace and Co., Managing Agent, Nazira Coal Co., Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	The Garage Calcutta, Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15,300	...
22	V. Arumugam	...	...	...	...	...	500	...	...	...	...	...	...	...	...	...	...
23	Goverdhan Das	...	...	...	...	200	...	...	...	...	...	...	...	...	...	...	...
24	N. K. Vora	...	...	...	6,000	...	...	1,000	...	...	...	...	...	...	...	...	...

...OSTS AND TELEGRAPHS, CALCUTTA.

...legraphs, on the 31st December 1937, *vide* paragraph 81 of the Government Securities Manual (2nd Edition).

...estment.

...nt.	5 per cent.						5½ per cent.						6 per cent.						6½ per cent. Treasury Bonds, 1935.	5 per cent. U. P. Govt. Loan, 1944.
...-60.	1929-47.	1945-55.	1933.	1935.	1939-44.	1940-43.	1920.	1921.	1922.	1925.	1928.	1938-40.	1926.	1927.	1930.	1931.	1932.	1933-36.		
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Serial No.	Name of person or Fund on whose behalf held.	3%	2½%	3½ per cent.						3 per cent.			4 per cent.				
		Madras Government Loan, 1952.	1948-52.	1842-43.	1854-55.	1865.	1879.	1900-01	1947-50.	1896-97.	1941.	1951-54.	1915-16.	Punjab Govt. Bonds, 1948.	1916-17.	1960-70.	1934-37.
	Security Deposit of Postal Servants and Contractors—concld.																
41	Messrs. Thos. Cook & Sons (Bankers), Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
42	Ram Kumar.	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...
43	Makhan Lal, B. A.	...	...	...	...	...	...	...	...	...	...	...	...	3,600	...	...	...
44	Khan Bahadur Timalji Sorabji.	...	...		...	4,200	..	700	..	500	...	...	...	...	...	...	...
45	C. L. Padmanabhan	17,500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total .	17,500	...	2,900	13,300	9,100	600	3,400	12,000	14,200	...	...	...	3,000		31,600	
46	P. O. S. B. Depositors.	...	1,65,400	69,34,700	90,85,700	1,82,89,000	6,93 900	1,25,83,700	55,63,400	2,79,900	3,76,900	64,08,400	13,500	...	24,600	1,45,83,600	2,500
	Total (*a*) .	17,500	1,65,400	69,37,600	90,99,000	(*c*) 1,82,98,100	6,94,500	1,25,86,100	55,75,400	2,94,100	3,76,800	61,08,400	13,500	3,000	24,600	1,46,15,200	2,500
	Security Deposit of Telegraph Department Employees and Contractors.																
47	The Proprietors "Times of India", Bombay.	...	...	.	...	1,00	...	...	...	1,000	.	...	...	...	...	..	.
48	The "Rangoon Gazette", Ltd.	...	.	...	...	...	1,000	..	...	..	..	...	...	...	...	...	...
49	The "Civil and Military Gazette", Lahore.	...	..	..	...	1,300	..	...	...	...	...	...	...	...	...	..	...
50	The Trustees, Tribune Press & Newspaper, Lahore.	...	...	...	...	...	...	400	..	...	...	..	...	...	...	...	...
51	Proprietors, "The Statesman".	...	..	.	...	2,000	...	...	...	..	...	...	...	...	...	...	...
52	Eastern News Agency.	...	...	1,300	700	..	...	1,000	...	...	...	...	...	...	...	...	...
53	Proprietor Malayala Monorama Kallayane.	...	...	...	100	...	...	...	...	.	...	..	...	...	...	...	...
54	T. S. Ramaswami, Store-keeper, Rangoon Store Depot.	...	...	...	...	500	...	..	..	..	...	-	...	...	...	...	...
55	T. S. Ramaswami, Store-keeper, Rangoon.	...	...	...	...	100					...	...	...	...	..		...
56	Abdul Aziz, Store-keeper, Lahore Depot.	...	...	...	...	...	...	...	...	1,000	...	...	...	...	...	...	...
57	Messrs. Bennett Coleman and Co., Ltd., Proprietor, "Times of India", Bombay.	...	..	100	1,500	2,100	...	5,800	...	...	...	...	...	...	...	...	...
58	The "Daily Gazette" Karachi.	...	...		1,000	...	...	.	..	...	...	.		...	...	100	...
59	The Associated Press of India, Bombay.	...	...	200	1,400	500	--	4,700	..	...	..	...		.		...	...
60	Reuters, Ltd., Bombay.	...	...	200	...	4,200	300	5,400	...	...	...	...	...	...	...	...	...

(*c*) This excludes Investment Cer

...tment.

	5 per cent.						5½ per cent.						6 per cent.						6½ per cent. Treasury Bonds, 1935.	5 per cent. U. P. Govt. Loan, 1944.
0.	1929-47.	1945-55.	1933.	1935.	1939-44.	1940-43.	1920.	1921.	1922.	1925.	1928.	1938-40.	1926.	1927.	1930.	1931.	1932.	1932-36.		
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800	41,950	49,40,400	200	4,900	60,87,700	25,52,100	13,075	2,375	12,675	1,225	13,450	1,01,91,800	11,300	9,000	23,600	400	1,700	18,800	4,12,400	...
800	41,960	49,69,600	200	4,900	60,87,700	26,03,300	13,075	2,375	12,675	1,225	13,450	1,01,92,300	11,300	9,000	23,600	400	1,700	18,800	4,12,400	5,000
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302-9.3 held by S. B. Depositors.

Serial No.	Name of person or Fund on whose behalf held.	3 %	2¾ %	3½ per cent.						3 per cent.			4 per cent.					
		Madras Govt. Loan, 1952.	1948-52.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.	1896-97.	1941.	1951-54.	1915-16.	Punjab Govt. Bonds, 1948.	1916-17.	1960-70.	1934-37.	[illegible]
	Security Deposit of Telegraph Department Employees and Contractors—contd.																	
	Messrs. Blackwood, Bryson and Co., Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
62	The "Statesman", Ltd.	...	...	1,500	...	...	...	10,500	...	...	...	...	...	...	...	...	...	...
63	B. N. Elias and Co., Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
64	Messrs. H. N. and R. G. Mullick.	...	...	...	...	...	...	200	...	...	...	...	...	...	...	...	...	...
65	Messrs. Binny, & Co.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
66	The Manager, "Pioneer" Press, Ltd., Allahabad.	...	...	...	...	...	...	2,500	...	...	...	...	...	...	...	...	...	...
67	Gootiram Debraj.	...	...	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...
68	Messrs. Thos. Cook and Sons (Bankers), Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
69	Messrs. Cowasji & Sons.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
70	Messrs. Killick Nixon & Co.	...	...	...	...	...	...	...	1,000	...	...	...	...	...	...	...	...	...
71	The Tata Iron and Steel Co., Ltd.	...	...	...	...	...	...	1,100	...	...	...	...	...	...	...	...	...	...

atment.

.	5 per cent.						5½ per cent.						6 per cent.						6½ per cent. Treasury Bonds, 1935.	5 per cent. U. P. Govt. Loan, 1944.	N
60.	1920-47.	194?-55.	1923.	1935.	1939-44.	1940-43.	1920.	1921.	1922.	1935.	1928.	1938-40.	1926.	1927.	1930.	1931.	1932.	1933-36.			
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Serial No.	Name of person or Fund on whose behalf held.	3 % Madras Govt. Loan 1952.	2½ % 1948-52.	3½ per cent. 1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.	3 per cent. 1896-97.	1941.	1951-54.	4 per cent. 1915-16.	Punjab Govt. Bonds 1948.	1916-17.	1960-70.	1934-37.
	Security Deposit of Telegraph Department Employees and Contractors—contd.																
72	The Standard Vaccum Oil Co., Bombay.	...	...	...	...	...	...	...	...	500	...	...	...	...	...	...	...
73	Messrs. Hard Castle Wand & Co., Ltd., Bombay.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
74	Messrs. Madhab Lal & Co.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
75	Greaves Cotton & Co., Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
76	Narandas Rajaram & Co.	...	...	...	...	...	...	2,000	...	...	...	...	...	...	...	...	...
77	Messrs. Thos. Cook & Sons (Bankers) Bombay. Ltd.,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
78	Messrs. Thos. Cook & Sons (Bankers) Ltd., Rangoon.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
79	Messrs. Louis Dreyfus & Co.	...	...	...	1,000	...	...	...	...	...	...	...	...	...	...	...	...
80	Messrs. Mackinon Mackenjee & Co.	...	...	3,500	...	...	...	...	...	...	...	...	...	...	...	...	...
81	Messrs. Louis Dreyfus & Co.	...	...	...	1,000	...	...	...	...	...	...	...	...	...	...	...	...
82	Miller's Timber and Trading Co.	...	...	...	500	...	...	...	...	...	...	...	...	...	...	...	...
83	Messrs. E. Spenner & Co.	...	...	2,000	...	...	...	...	...	...	...	...	...	...	...	...	...
84	Lionel Edwards Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,000	...
85	Imperial Chemical Industries India Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
86	Messrs. Burma Shell Oil Storage and Distributing Co. of India, Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
87	Messrs. Louis Dreyfus & Co.	...	...	...	1,000	...	...	...	...	...	...	...	...	...	...	...	...
88	Messrs. K. D. Nundy & Bros.	...	...	...	...	200	...	...	...	...	...	...	...	...	...	...	...
89	Messrs. Louis Dreyfus & Co.	...	...	...	...	1,500	...	...	...	...	...	...	...	...	...	...	...

5 per cent					5½ per cent.						6 per cent.						6½ per cent, Treasury Bonds, 1935	5 per cent, U.P. Govt. Loan 1944	Name to inte... Intf...
1945-55.	1923.	1935.	1939-44.	1940-43.	1920.	1921.	1922.	1925.	1928.	1938-40.	1926.	1927.	1930.	1931.	1932.	1933-36			
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Serial No.	Name of person or Fund on whose behalf held.	3% Madras Govt. Loan, 1952.	2½% 1948-52.	3½ per cent. 1842-43.	3½ per cent. 1854-55.	3½ per cent. 1865.	3½ per cent. 1879.	3½ per cent. 1900-01.	3½ per cent. 1947-50.	3 per cent. 1896-97.	3 per cent. 1941.	3 per cent. 1951-54.	4 per cent. 1915-16.	4 per cent. Punjab Govt. Bonds, 1942.	4 per cent. 1916-17.	4 per cent. 1960-70.	4 per cent. 1934-37.
	***Security Deposit of Telegraph Department Employees and Contractors*—concld.**																
90	Messrs. Burma Shell Oil Storage and Distributing Co. of India, Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,500	...
91	Mr. Shewbhagwan-Gajanand.	...	...	...	...	...	...	...	100	...	...	...	...	...	...	...	...
92	Messrs. Shewbhagwan & Sons.	...	...	...	...	...	...	...	200	...	...	...	...	...	...	...	...
93	The Havere Trading Co., Ltd.	...	...	...	...	...	...	...	...		...	1,000	...	...	...	...	...
94	Burma Shell Oil Storage and Distributing Co. of India.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
95	Burma Shell Oil Storage and Distributing Co. of India.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
96	Messrs. Shewbhagwan and Sons.	...	...	...	...	...	...	...	200	...	...	...	...	...	...	...	...
97	Jahangir Rattanji.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
98	Messrs. Raj Kumar Dey & Co.	...	...	...	...	...	...	...	...	*1,000	...	...	...	...	...	...	...
99	F. M. Cama.	...	...	...	...	...	...	...	...	...	...	100	...	...	...	...	...
100	Messrs. J. B. Advani & Co.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
101	The Tata Iron and Steel Co., Ltd.	...	...	...	...	...	...	400	...	...	...	...	...	...	...	...	...
102	P. Chongdar	...	...	...	...	...	...	...	...	...	...	*2,000	...	...	...	...	...
103	Burma Shell Oil Storage and Distributing Co. of India.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
104	Messrs. Francis Klein & Co.	...	...	...	...	...	...	...	...	...	...	500	...	...	...	...	...
105	Messrs. Forbes Forbes Campbell & Co., Ltd.	...	...	...	...	500	...	...	...	...	...	...	...	...	...	...	...
106	Messrs. Forbes Forbes Campbell & Co., Ltd.	...	...	...	...	1,000	...	...	...	...	...	...	...	...	...	...	...
	Total (b)	...	...	8,900	8,000	14,900	1,300	34,900	1,500	3,500	...	3,600	...	...	...	2,600	...
	Total (a)	17,500	1,65,400	69,37,600	90,99,000	1,82,98,100	6,94,500	1,25,86,100	55,75,400	2,94,100	3,76,800	64,08,400	13,500	3,000	24,600	1,46,15,200	3,500
	GRAND TOTAL	17,500	1,65,400	69,46,500	91,07,000	1,83,13,000	6,95,800	1,26,21,000	55,76,900	2,97,600	3,76,800	64,12,000	13,500	3,000	24,600	1,46,17,800	1,500

*Note is deposited for safe custody. Interest not drawn

N.B.—The above list does not include G.

OFFICE OF THE DEPUTY ACCOUNTANT GENERAL,
POSTS AND TELEGRAPHS,

Calcutta, the 2nd February 1938.

...nvestment.

...ent.	5 per cent.						5½ per cent.						6 per cent.						6¼ per cent. Treasury Bonds, 1935.	5 per cent. U. P. Govt. Loan, 1944.
...55-60.	1939-47.	1945-55.	1933.	1935.	1929-44.	1940-43.	1920.	1921.	1922.	1925.	1928.	1938-40.	1926.	1927.	1930.	1931.	1932.	1933-36.		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...0	...	6,300	...	...	8,600	...	...	...	...	...	...	4,000	...	...	...	...	...	...	...	...
...00	41,950	49,69,600	200	4,900	60,87,700	26,03,300	13,075	2,375	12,675	1,225	13,450	1,01,92,300	11,300	9,000	23,600	400	1,700	18,800	4,12,400	5,000
...50	41,950	49,75,900	200	4,900	60,96,300	26,08,300	13,075	2,375	12,675	1,225	13,450	1,01,96,300	11,200	9,000	23,600	400	1,700	16,800	4,12,400	5,000

...tant General, Posts and Telegraphs.

...00 which could not be delivered for want of claimants.

S. EKAMBARAM,
Assistant Accounts Officer,
Posts and Telegraphs,
Calcutt...

RESERVE BANK OF INDIA—PUBLIC DEBT OFFICE.

Statement of Government Promissory Notes enfaced for payment of Interest in London, under deduction of amou[illegible] re-transferred to India, and outstanding in the Books of the Indian Government Rupee Loans Office, Reserve Ba[illegible] of India, on the 31st January 1938.

PARTICULARS.	2¾ PER CENT. LOAN.	3 PER CENT. LOANS.			3½ PER CENT. LOANS.					
	1948-52.	1896-97.	BONDS, 1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-[illegible]
Balance of 31st December 1937.	*Nil*	11,40,600	13,000	1,06,700	27,34,000	97,85,400	40,73,800	11,01,700	4,10,050	3,30,60,[illegible]
Add—										
Amount of Loan Certificate transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to .	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Calcutta between 1st and 31st January 1938 .	...	...	...	...	...	...	700	...	...	...
	Nil	11,40,600	13,000	1,06,700	27,34,000	97,85,400	40,74,500	11,01,700	4,10,050	3,30,60,[illegible]
Deduct—										
Amount written off in the London Registers . .	...	...	13,000	...	18,400	73,400	...	1,600	...	...
Balance on 31st January 1938 .	*Nil*	11,40,600	*Nil*	1,06,700	27,15,600	97,12,000	40,74,500	11,00,100	4,10,050	3,30,[illegible]

PARTICULARS.	4 PER CENT. LOANS.		4½ PER CENT. LOAN.	5 PER CENT. LOANS.				5½ PER CENT. LOANS.		TOTAL.
	BONDS, 1943.	1960-70.	1955-60.	Indian War Loan, 1929-47.	1945-55.	1939-44.	1940-43.	War Bonds, 1928.	1938-40.	
Balance of 31st December 1937 .	2,00,00,000	4,69,400	18,500	100	23,50,900	6,21,300	4,95,100	100	1,78,600	7,65,59,[illegible]
Add—										
Amount of Loan Certificate transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to .	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Calcutta between 1st and 31st January 1938 .	...	5,000	...	...	...	...	...	...	...	[illegible]
	2,00,00,000	4,74,400	18,500	100	23,50,900	6,21,300	4,95,100	100	1,78,600	7,65,[illegible]
Deduct—										
Amount written off in the London Registers . .	...	...	...	...	...	...	...	...	...	1,0[illegible]
Balance on 31st January 1938 .	2,00,00,000	4,74,400	18,500	100	23,50,900	6,21,300	4,95,100	100	1,78,600	7,64,[illegible]

RESERVE BANK OF INDIA;
PUBLIC DEBT OFFICE;
Calcutta, the 8th February 1938.

F. H. GODWIN,
Accountant.

R. A. B. ALLAN,
Manager.

CENTRAL ELECTRICITY BOARD.

NOTIFICATIONS.

New Delhi, the 14th February 1938.

No. A.-805.—The following draft of certain rules which the Central Electricity Board proposes to make in exercise of the powers conferred by section 37 of the Indian Electricity Act, 1910 (IX of 1910), as in force in Berar, and in supersession of the Berar Electricity Rules, 1927, is published as required by sub-section (*1*) of section 38 of the said Act, for the information of all persons likely to be affected thereby, and notice is hereby given that the draft will be taken into consideration on or after the 23rd May 1938.

Any objection or suggestion which may be received from any person in respect of the said draft before the date specified will be considered by the Central Electricity Board. Such objections or suggestions should be addressed to the Secretary, Central Electricity Board, Labour Department Secretariat, New Delhi.

DRAFT RULES.

CHAPTER I.

PRELIMINARY.

1. These rules may be called the Berar Electricity Rules, 1938.

2. (1) **Definitions.**—In these rules, unless there is anything repugnant in the subject or context,—

(*a*) "the Act" means the Indian Electricity Act, 1910, as applied to Berar; [IX of 1910.]

(*b*) "ampere" means a unit of electric current, and is the electric current which, when passed through a solution of nitrate of silver in water, in accordance with the specification set out in Annexure I, deposits silver at the rate of 0·001118 of a gramme per second;

the aforesaid unit is represented by the current which is passing in and through the coils of wire forming part of the instrument marked "Government of India Ampere Standard Verified" when the suspended coil in its sighted position is exactly balanced by the force exerted by gravity in Calcutta on the iridio-platinum weight forming part of the said instrument;

(*c*) "Annexure" means an Annexure to these rules;

(*d*) "apparatus" means electrical apparatus, and includes all apparatus, machines, and fittings in which conductors are used, or of which they form a part;

(*e*) "bare" means not covered with insulating material;

(*f*) "circuit" means an electrical circuit forming a system or branch of a system;

(*g*) "concentric system" means a system in which a conductor, called the inner conductor, is insulated and in which the circuit is completed through one or more conductors, called the outer conductors, which are insulated from one another and are disposed over the insulation of, and more or less completely round, the inner conductor;

(h) "conductor" means an electrical conductor arranged to be electrically connected to a system;

(i) "covered with insulating material" means adequately covered with insulating material of such quality and thickness that there is no danger;

(j) "cut-out" means any appliance for automatically interrupting the transmission of energy through any conductor when the current rises above a predetermined amount;

(k) "danger" means danger to health or danger to life or limb from shock, burn, or other injury to persons, or from fire or explosion, attendant upon the generation, transformation, distribution, or use of energy;

(l) "dead" means at or about earth potential, and disconnected from any live system:

Provided that apparatus separated from a live conductor by a spark gap shall not be considered dead;

(m) "distributing licensee" means a licensee who obtains from another licensee or other source a supply of energy in bulk for distribution;

(n) "earthed" or "connected with earth" means connected with the general mass of earth in such manner as to ensure at all times an immediate discharge of energy without danger;

(o) "earthing system" means an electrical system in which all the conductors are earthed;

(p) "electrician" means a person who is over 21 years of age and is competent for the purposes of the rule in which the term is used and who has been appointed in writing by the lessee, owner, agent or manager of any apparatus for the purpose of supervising it;

(q) "Inspector" means an Electric Inspector appointed under section 36;

[IV of 1923.] (r) "Inspector of Mines" means an Inspector appointed under the Indian Mines Act, 1923;

(s) "live" means electrically charged;

(t) "metallic covering" means iron or steel armouring, with or without a lead or other metallic sheath as the conditions of the case may require, or an iron or steel pipe surrounding one or more conductors;

(u) "neutral conductor" means that conductor of a multi-wire system, the pressure of which is normally intermediate between the pressures of the other conductors of the system;

(v) "non-licensee" means a person generating, supplying, transmitting or using energy to whom any of the provisions of Part III of the Act apply;

(w) "ohm" means a unit of electric resistance, and is the resistance offered to an electric current by a column of mercury at the temperature of melting ice 14·4521 grammes in mass of an uniform cross-sectional area and of a length of 106·3 centimetres;

the aforesaid unit is represented by the resistance between the terminals of the instrument marked "Government of India Ohm Standard Verified" to the passage of an electric current when the coil of wire forming part of the aforesaid instrument and connected to the aforesaid terminals is in all parts at a temperature of 30°C.;

(*x*) "open sparking" means sparking which owing to the lack of adequate provisions for preventing the ignition of inflammable gas external to the apparatus would ignite such inflammable gas;

(*y*) "owner", "agent" or "manager" of a mine have the same meanings as are assigned to them in sections 3 (*g*), 3 (*a*) and 15 (*1*), respectively, of the Indian Mines Act, 1923; [IV of 1923].

(*z*) "pressure" means the difference of electric potential measured in volts between any two conductors, or between any part of either conductor and the earth as measured by a suitable voltmeter, and is said to be—

(*i*) "low" where the normal pressure is not greater than 250 volts, and the pressure in no circumstances exceeds 263 volts;

(*ii*) "medium" where the normal pressure is greater than 250 volts but is not greater than 650 volts, and the pressure in no circumstances exceeds 683 volts;

(*iii*) "high" where the normal pressure exceeds 650 volts or the pressure at any time exceeds 683 volts;

(*aa*) "section" means a section of the Act;

(*bb*) "switchgear" means switches, cut-outs or fuses, conductors, and other apparatus in connection therewith, used for the purpose of controlling the current or pressure in any system or part of a system;

(*cc*) "system" means an electrical system in which all the conductors and apparatus are electrically connected to a common source of pressure;

(*dd*) "volt" means a unit of electro-motive force, and is the electric pressure which, when steadily applied to a conductor whose resistance is one ohm, will produce a current of one ampere; and

(*ee*) "watt" means a unit of power, and is the energy expended per second by an electric current of one ampere under an electric pressure of one volt.

Explanation.—With alternating current, the product of the instantaneous value of the amperes and the instantaneous value of the volts gives the instantaneous value of the power in watts, and the mean value, over a whole period, is the power in watts.

(2) In these rules other words and expressions have the same meaning as are assigned to them in the Act.

3. **Authorisation.**—(1) A licensee, a non-licensee or a consumer, or the owner, agent or manager of a mine, or the agent of any company operating in an oil-field or the owner of a drilled well in an oil-field or a contractor for the time being under contract with a licensee, a non-licensee or a consumer to carry out duties incidental to the generation, transformation, distribution or use of energy may authorise any person for the purpose of any or all of the following rules, namely, rules 43, 60, 64 (1), 96 (2), 106 (1), 108 (4) and 109.

(2) No person shall be authorised under sub-rule (1) unless he is competent to perform the duties specified in the rules for the purpose of which he is authorised.

(3) No person shall be deemed to be authorised under sub-rule (1) unless his name has been entered in a list maintained at the office or premises of the person authorising him, and giving the purposes for which such person is authorised, and the entry has been attested by the person authorising him.

(4) Every list maintained under sub-rule (3) shall be produced before an Inspector when required.

CHAPTER II.

INSPECTORS.

4. **Qualifications of Inspector.**—No person shall be appointed to be an Inspector unless,—

(*a*) he has had at least five years' practical experience in an electrical or mechanical engineering workshop or electric power station; and

(*b*) after acquiring such experience, he has been regularly engaged for a period of at least five years in the practice of electrical engineering:

Provided that the Governor General in Council or the provincial Government, as the case may be, may appoint any person not so qualified, if in his or its opinion such person is otherwise fully qualified to exercise the powers and perform the functions of an Inspector.

5. **Entry and Inspection.**—(1) Any Inspector or any officer appointed to assist an Inspector may enter, inspect and examine any place, carriage or vessel in which he has reason to believe that there is any appliance or apparatus used in the generation, transmission, supply or use of energy and may carry out tests therein.

(2) Every licensee, non-licensee, consumer and occupier shall afford at all times all reasonable facilities to any such Inspector or officer to make such examinations and tests as may be necessary to satisfy himself as to the due observance of the Act, the licence (if any) and these rules.

(3) Every licensee and every non-licensee supplying energy with the previous sanction of the Provincial Government under section 28 shall, if required so to do by an Inspector, provide means for carrying out all tests prescribed by or under the Act of the appliances or apparatus used for the supply of energy by him.

(4) An Inspector may serve an order in the form set out in Annexure VIII, upon any licensee, non-licensee, consumer or occupier, calling upon him to comply with any specified rule, and the person so served shall thereupon comply with the order within the period named therein, and shall report in writing to the Inspector when the order is complied with:

Provided that, if within that period an appeal is filed against the order, the appellate authority may suspend its operation pending the decision of the appeal.

6. **Limitation of appeals.**—No appeal from any decision of an Inspectot shall be entertained unless it is preferred within three months of the date of the communication to the appellant of the decision.

7. **Amount of fees.**—(1) The fees set out in Annexure II shall be payable in respect of the services therein mentioned, where the tests are carried out by comparison with the Government of India Standards referred to in rule 2 (1).

(2) The Governor General in Council or the provincial Government, as the case may be, may levy such fees for testing and inspection and generally for the services of Inspectors as he or it may, from time to time, by general or special order, direct; and may, if he or it thinks fit, remit any fee or any portion thereof.

8. **Incidence of fees.**—Where an Inspector is called in to decide any difference or dispute, and where a fee for such service is recoverable, the Inspector shall decide by whom such fee shall be payable.

9. **Submission of records.**—An Inspector may require a licensee and a licensee may require an Inspector to submit to such Inspector or licensee for examination any records of tests made in connection with the licensee's works by the licensee or the Inspector; and the licensee or Inspector shall comply with such requisition.

10. **List of consumers.**—An Inspector may require a licensee or non-licensee to submit to him a list of all persons supplied with energy by him at a pressure exceeding low pressure and of the addresses at which such energy is supplied; and the licensee or non-licensee shall comply with such requisition.

CHAPTER III.

LICENCES.

11. **Applications for licences.**—(1) Every application for a licence shall be signed by, or on behalf of, the applicant and addressed to such officer as the provincial Government may designate in this behalf, and it shall be accompanied by—

(*a*) six copies, in print, of the draft licence as proposed by the applicant, with the name and address of the applicant and of his agent (if any) printed on the outside of the draft;

(*b*) three copies, signed by the applicant, of a map of the proposed area of supply which shall be so marked or coloured as to define any portion of such area which is under the administration of any local authority and shall be on a scale—

(*i*) of not less than six inches to a mile, or

(*ii*) if no such map is available, of not less than that of the largest scale ordnance map available, or

(*iii*) such as may be approved by the provincial Government;

(*c*) a list of any local authorities invested with the administration of any portion of the area of supply;

(*d*) an approximate statement describing any lands which the applicant proposes to acquire for the purpose of the licence under the provision of the Land Acquisition Act, 1894; [I of 1894.]

(*e*) an approximate statement of the capital proposed to be expended in connection with the undertaking;

(*f*) if the applicant is a company which is registered under any of the enactments relating to companies for the time being in force in British India, or in any other part of His Majesty's Dominions, or is incorporated by an Act of Parliament or of the Governor General in Council or by Royal Charter or Letters Patent, a copy of the Memorandum and Articles of Association; and

(*g*) a treasury receipt for a fee of five hundred rupees paid into a Government treasury in the province concerned, unless such fee is remitted, wholly or in part, by general or special order of the provincial Government.

(2) If the application for a licence is rejected or if a licence is revoked under sub-section (*3*) of section 4 as to the whole or any part of the area of supply, the provincial Government may at its discretion refund, wholly or in part, the fee referred to in clause (*g*) of sub-rule (1).

12. **Copies of map and draft licence for public inspection.**—The applicant shall deposit at his own office and at that of his agents (if any) and at the office of every local authority invested with the administration of any portion of the proposed area of supply—

(*a*) a copy of the map referred to in clause (*b*) of sub-rule (1) of rule 11 for public inspection; and

(*b*) a sufficient number of copies of the draft licence to be furnished to all persons applying for them at a price not exceeding one rupee per copy.

13. **Contents of draft licence.**—The draft licence shall contain the following particulars, namely:—

(*a*) a short title descriptive of the proposed undertaking, together with the address and description of the applicant, or, in the case of a firm, the names of all the individual members of the firm;

(*b*) a statement of the boundaries of the proposed area of supply;

(*c*) if the generating station is situated, or is to be situated, outside the area of supply or if any intervening area, not included in the area of supply, is to be crossed a list of the streets not included in the area of supply along or across which electric supply-lines are to be laid down or placed;

(*d*) the proposed conditions of supply, including the maximum prices, the nature and amount of the supply (if limited) and the like;

(*e*) a list of the streets (if any) which are repairable neither by Government nor by a local authority and of the railways and tramways (if any) the soil or pavement of which the applicant seeks powers to open or break up, and the names of the persons by whom such streets are repairable, or who are for the time being entitled to work such railway or tramway;

(*f*) the proposed periods after which the right to purchase is to take effect;

(*g*) a statement of any special terms of purchase or orders proposed to be made under section 10; and

(*h*) any proposed modification of the Schedule to the Act to be made under clause (*f*) of sub-section (*2*) of section 3.

14. **Form of draft licence.**—The form of draft licence contained in Annexure III may, with such variation as the circumstances of each case require, be used for the purposes of rule 11, and, if used, shall be sufficient.

15. **Advertisement of application and contents thereof.**—(1) The applicant shall, within fourteen days from the submission of the application under rule 11, publish notice of his application by public advertisement, and such advertisement shall consist of—

(*a*) the draft licence,

(*b*) the addresses of the offices at which, under rule 12, copies of the map therein referred to may be inspected and copies of the draft licence obtained.

(2) The advertisement shall be headed by a short title corresponding with that at the head of the draft licence, and shall state that every local authority, company or person, desirous of making any representation with reference to the application to the provincial Government, may do so by letter addressed to such officer as the provincial Government may designate in this behalf, within three months of the date of issue of the newspaper containing the first advertisement.

(3) The advertisement shall be inserted by the applicant in at least three successive issues of such newspaper as the provincial Government, having regard to its circulation among persons likely to be interested, may direct, and, in the absence of any such direction, in at least three successive issues of any newspaper published within the proposed area of supply, or if there is no such newspaper, of any newspaper published within the province.

(4) The applicant shall send a copy of each of the three successive issues of the newspaper containing the advertisement to such officer as the provincial Government may designate in this behalf as soon as the third issue has appeared, and the provincial Government shall publish the advertisement at least once in the local official Gazette within six weeks from the date of the first advertisement published under sub-rule (3):

Provided that any failure or delay on the part of the provincial Government in publishing the advertisement shall not, of itself, preclude the grant of a licence.

16. **Amendment of draft licence.**—Any person who desires to have any amendment made in the draft licence shall deliver a statement of the amendment to the applicant and to such officer as the provincial Government may designate in this behalf within the time allowed under sub-rule (2) of rule 15 for the submission of representations referring to the application.

17. **Local inquiries.**—If any person locally interested objects to the grant of a licence applied for under the Act, the provincial Government shall, if either the applicant or the objector so desires, cause a local inquiry to be held, of which due notice shall be given to both applicant and objector:

Provided that the provincial Government may refuse such an inquiry if in its opinion the objection is of a trifling or vexatious nature.

18. **Approval of draft licence.**—When the provincial Government has approved a draft licence, either in its original form or in a modified form, such officer as the provincial Government may designate in this behalf shall inform the applicant of such approval and of the form in which it is proposed to grant the licence.

19. **Notification of grant of licence.**—On receiving an intimation in writing from the applicant that he is willing to accept a licence in the form approved by the provincial Government, the provincial Government shall publish the licence by notification in the local official Gazette, together with a statement that it has been granted.

20. **Date of commencement of licence.**—The date of a notification under rule 19 shall be deemed to be the date of commencement of a licence.

21. **Deposit of map.**—When a licence has been granted, a map showing, as regards such licence, the particulars specified in clause (*b*) of sub-rule (1) of rule 11 shall be signed, and dated to correspond with the date of the notification of the grant of the licence, by such officer as the provincial Government may designate in this behalf and retained by him as the deposited map.

22. **Deposit of printed copies.**—When a licence has been granted, the licensee shall, within thirty days, deposit printed copies of the licence together with copies of the map for public inspection at his own office and at that of his agents (if any) and at the office of every local authority within the area of supply and shall furnish printed copies of the licence to all persons applying for them at a price not exceeding one rupee per copy.

23. **Application for written consent of Provincial Government in certain cases.**—If a licensee desires the written consent of the provincial Government under sub-section (*5*) of section 12 to enable him to open or break up the soil or pavement of any street which is repairable neither by Government nor by a local authority, or any railway or tramway, he shall apply for such consent in writing to such officer as the provincial Government may designate in this behalf, and shall describe accurately the street, railway, or tramway which he seeks power to open or break up and the names of the persons by whom such street is repairable, or who are for the time being entitled to work such railway or tramway, and the extent to which he proposes to open or break up the same.

24. **Amendment of licences.**—(1) No alterations or amendments in the terms and conditions of any licence shall be made under clause (*b*) of sub-section (*3*) of section 4, until they have been published by the applicant and by the provincial Government; and the provisions of sub-rules (2), (3) and (4) of rule 15 shall apply to such publication.

(2) If any such alteration or amendment as is referred to in sub-rule (1) is made, it shall be notified by the provincial Government in the local official Gazette.

CHAPTER IV.

CONDITIONS OF SUPPLY BY LICENSEE.

25. **Precautions against leakage before connection.**—(1) A licensee shall not connect with his works the apparatus on the premises of any applicant for a supply unless he is reasonably satisfied that the connection will not at the time of making the connection cause a leakage from that apparatus exceeding one five-thousandth part of the maximum supply demanded on the applicant's premises.

(2) If a lincensee declines to make a connection in accordance with sub-rule (1), he shall serve upon the applicant a notice stating his reason for so declining.

26. **Leakage on consumer's premises.**—(1) If a licensee has reason to believe that there is in the system of a consumer leakage which is likely to affect injuriously the use of energy by the licensee or by other persons or which is likely to cause danger, he may give the consumer reasonable notice in writing that he desires to inspect and test the apparatus.

(2) If on such notice being given—

(*a*) the consumer does not give all reasonable facilities for inspection and testing, or

(*b*) a leakage from the consumer's system exceeding one five-thousandth part of the maximum supply required by the consumer is shown to exist,

the licensee may forthwith discontinue the supply of energy to the system in question, giving immediate notice of the discontinuance to the consumer, and need not recommence the supply until he is satisfied that the cause of the leakage has been removed.

27. **Appeal to Inspector in regard to leakage.**—(1) If an applicant for a supply or a consumer is dissatisfied with the action of a licensee under rule 25 or rule 26 in declining to make a connection or in discontinuing, or in not recommencing the supply of energy to his system he may appeal to an Inspector, and the Inspector or under his orders any other officer appointed to assist the Inspector shall, on such application and on payment of the fee fixed under sub-rule (2) of rule 7, test the apparatus for the existence of leakage.

(2) The test shall be carried out within forty-eight hours of the receipt of the application for it or of the payment of the fee under sub-rule (1), whichever is later.

(3) If the Inspector or other officer, as aforesaid, on testing finds that the leakage from the appellant's system is less than one five-thousandth part of the maximum supply required by the appellant, the Inspector shall notify the licensee, and the licensee shall, within twenty-four hours, commence or continue the supply of energy, and the licensee shall pay to the appellant an amount equal to the fee paid by the appellant to the Inspector under sub-rule (1), if the Inspector so directs.

(4) This rule shall be endorsed on every notice given under the provisions of rule 25 or rule 26.

28 **Declared pressure of supply to consumers.**—Before commencing to supply energy to a consumer, a licensee shall declare to the consumer the pressure at which he undertakes to supply energy and he shall not, without the written consent of the consumer or the previous sanction of the provincial Government, permit the pressure to vary therefrom by more than 5 per cent. in the case of low or medium pressure, or by more than $12\frac{1}{2}$ per cent. in the case of high pressure:

Provided that, for the purposes of testing or for any other purposes connected with the efficient working of the undertaking, the supply of energy may be discontinued by the licensee for such period as may be necessary subject (except in cases of emergency) to not less than twenty-four hours' notice being given by the licensee to all consumers likely to be

affected by such discontinuance; and in the event of any such consumer objecting, the supply of energy shall not be discontinued (except in cases of emergency) without the consent of the provincial Government and subject to such conditions as it may impose.

29. **Declared frequency of supply to consumers.**—From the time of commencing the supply of energy to a consumer by means of an alternating current a licensee shall declare to the consumer the frequency at which he undertakes to supply energy and the licensee shall not, without the written consent of the consumer or the previous sanction of the provincial Government, permit the frequency to vary therefrom by more than 4 per cent.

30. **Examinations of licensee's records by consumer.**—A consumer may, after giving not less than twenty-four hours' notice to the licensee, enter any testing station established by the licensee, in accordance with clause XIII of the Schedule to the Act, and may examine the records of the tests made therein: and he may also take copies of or extracts from such records on payment to the licensee of a sum of one rupee for every such examination of a record covering a period of twenty-four hours or any part of twenty-four hours.

31. **Sealing of meters.**—(1) A licensee may affix one or more seals to any meter, maximum demand indicator, or other apparatus placed upon a consumer's premises in accordance with section 26, and to any cut-out placed upon a consumer's premises in accordance with rule 40 and no person other than the licensee shall break any such seal.

(2) The consumer shall use all reasonable means in his power to ensure that no such seal is broken otherwise than by the licensee.

32. **Limits of errors in the meters.**—The limits of error permissible in a meter placed upon a consumer's premises in accordance with section 26 are for the purposes of that section the following, namely:—

(*a*) where the meter is of a type included in the "British Standard Specification for Electricity Meters; No. 37" dated 1930, the limits of error laid down in that Specification;

(*b*) where the meter is of any other type, it shall not register more than 3 per cent. above or below absolute accuracy at all loads in excess of one-fifth of full load and up to full load;

(*c*) no meter shall register at no load.

33. **Conditions for maximum demand indicators.**—The conditions with which a maximum demand indicator or other apparatus placed upon a consumer's premises in accordance with section 26, shall comply are for the purposes of that section the following, namely:—

(*a*) it shall not register more than 3 per cent. above or below absolute accuracy at all loads in excess of one-fifth of full load and up to full load;

(*b*) it shall not register at no load.

34. **Sale of plans.**—Copies of plans or sections such as are referred to in clause XVI of the Schedule to the Act shall be supplied by the licensee to every applicant at a price not exceeding one rupee per square foot.

35. **Point of commencement of supply.**—The point at which the supply of energy by a licensee to a consumer shall be deemed to commence shall—

(*a*) where the amount of energy supplied to a consumer or the electrical quantity contained in the supply is ascertained by meter, be, in respect of a conductor from the service-line which passes through the meter, the point at which such conductor enters the meter, and, in respect of a conductor from the service-line which does not pass through the meter, the point on such conductor nearest to the meter;

(*b*) where the amount of energy supplied to a consumer or the electrical quantity contained in the supply is not ascertained by meter, be the point at which the cut-out is inserted in the service-line by the licensee in accordance with rule 40.

36. **Preparation and submission of accounts.**—(1) Every licensee, unless exempted in accordance with section 11, shall cause the accounts of his undertaking to be made up to the thirty-first day of December or the thirty-first day of March, at the option of such licensee, or to such other date as the provincial Government may approve.

(2) Such licensee shall prepare and render an annual statement of his accounts in accordance with the provisions of section 11 within a period of six months from such date as aforesaid, or such extended period as the provincial Government may authorise after it is satisfied that the time allowed is insufficient owing to any cause not within the control of the licensee; and the statement shall be rendered in duplicate if the provincial Government so desires.

(3) The accounts shall be made up as far as circumstances permit in one or other of the prescribed forms set out in Annexures IV and V according as the licensee is or is not a local authority and may, at the option ot fhe licensee, be rendered either in British Indian or in British sterling currency:

Provided that the provincial Government may, by special or general order, direct that the accounts of any undertaking shall be made up in any form it may direct in such order.

37. **Forms of certain requisitions.**—Requisitions under sub-clause (*4*) of clause V or sub-clause (*5*) of clause VI, as the case may be, of the Schedule to the Act shall be made in the form set out in Annexure VI or Annexure VII.

CHAPTER V.

GENERAL PRECAUTIONS FOR THE SAFETY OF THE PUBLIC.

38. **Responsibility of licensees for their works on consumers' premises.**—Licensees shall ensure that all electric supply-lines and apparatus belonging to them, or under their control, which are on a consumer's premises, are maintained in a safe condition electrically and mechanically and shall take due precautions to avoid danger arising on such premises from such supply-lines or apparatus.

39. **Service-lines on consumers' premises.**—Service-lines placed by a licensee on the premises of a consumer which are underground or which are accessible without the aid of a ladder or other special appliance shall be so insulated and protected by the licensee as to be secure under all ordinary conditions against electrical, mechanical, chemical, or other injury to the insulation, and against access of moisture.

40. Cut-out on consumers' premises.—A licensee shall provide a suitable cut-out in each conductor of every service-line (other than an earthed neutral conductor or the earthed external conductor of a concentric cable) within a consumer's premises, in an accessible position as close as possible to the point of entry. Such cut-out shall be contained within an adequately enclosed fire-proof receptacle:

Provided that, where more than one consumer is supplied through a common service-line, each such consumer who so requires shall be provided with an independent cut-out at the point of junction to the common service.

41. Accessibility of bare conductors.—Where bare conductors are used in a building the owners of such conductors shall ensure that they are inaccessible without the aid of a ladder or other special appliance and shall provide switches for rendering them dead whenever necessary.

42. Handling of apparatus.—Before any conductor or apparatus is handled, adequate precautions shall be taken, by earthing or other suitable means, to discharge electrically such conductor or apparatus, and any adjacent conductor or apparatus if there is danger therefrom, and to prevent any conductor or apparatus from being accidentally or inadvertently electrically charged when persons are working thereon:

Provided that this sub-rule shall not apply to the cleaning of commutators and slip-rings working at low or medium pressures.

43. Repairs to apparatus.—No repair of any part of any apparatus shall be effected while the part is live, except by an authorised person.

44. Supply to vehicles, etc.—Every person owning a vehicle, travelling crane or the like to which energy is supplied shall ensure that it is efficiently controlled by a suitable switch enabling all pressure to be cut off, and, where such vehicles, travelling cranes or the like run on metal rails, the owner shall ensure that the rails are electrically continuous and earthed.

45. Cables for portable motors.—(1) Trailing cables shall not be used for portable motors and apparatus connected therewith unless they are specially flexible, heavily insulated and protected from mechanical injury.

(2) Where the protection is by means of metallic covering, the covering shall be in metallic connection with the frame of the motor and earth.

46. Instructions for restoration of persons suffering from electric shock.—(1) Instructions, both in English and in the vernacular of the district, for the restoration of persons suffering from electric shock, shall be affixed by the owner in a conspicuous place in every generating station and substation, and in every factory as defined in clause (*j*) of section 2 of the Factories Act, 1934, in which electricity is used and in such other premises where electricity is used as the Inspector may, by notice served on the owner, direct. [XXV of 1934.]

(2) Copies of the instructions shall be supplied on demand by every Inspector at a price to be fixed by the provincial Government.

47. Instruction in artificial respiration.—The owner of every generating station and sub-station and of every factory and other premises to which rule 46 applies shall ensure that all authorised persons employed by him are acquainted with and able to apply the instructions referred to in rule 46.

48. **Precautions to be adopted by consumers and owners, electrical contractors and electrical workmen.**—(1) No electrical installation work, including additions, alterations, repairs and adjustments to existing installations, except such replacement of lamps, fans, fuses, switches and other component parts of the installation as in no way alters its capacity or character shall be carried out upon the premises or on behalf of any consumer or owner for the purposes of the supply of energy to such consumer or owner, except by an electrical contractor licensed by the provincial Government in this behalf and under the direct supervision of a person holding a certificate of competency issued by the provincial Government:

Provided that, the provincial Government may by notification in the local official Gazette exempt on such conditions as it may impose any such description of work either generally or in the case of any specified class of consumers or owners from so much of this sub-rule as requires such work to be carried out by an electrical contractor licensed by the provincial Government in this behalf:

Provided further that this rule shall not apply to any work carried out by or on behalf of the Government of India unless the Government of India so direct.

(2) This rule shall come into force in any province or part thereof on such date as the provincial Government may by notification in the local official Gazette appoint.

CHAPTER VI.

ELECTRIC SUPPLY-LINES AND APPARATUS.

49. **Construction, insulation and earthing of apparatus.**—(1) All apparatus shall be sufficient in power and size and of sufficient mechanical strength for the work it may be required to do, and, so far as is practicable, shall be so constructed, installed, protected, worked and maintained as to prevent danger.

(2) All insulating material shall be chosen with special regard to the circumstances of its proposed use. It shall be of mechanical strength sufficient for its purpose, and, so far as is practicable, shall be of such a character or so protected as fully to maintain its insulating properties under working conditions of temperature and moisture.

(3) No live parts shall be so exposed as to be capable of being touched by persons not intended to have access to them.

(4) Every part of a system shall be kept efficiently insulated from earth, except that:—

(*i*) the neutral point of a polyphase system may be earthed at one point only;

(*ii*) the mid-voltage point of any system, other than a concentric system, may be earthed at one point only.

50. **Accidental charge.**—The owners of all circuits and apparatus shall so arrange them that there shall be no danger of any part thereof becoming accidentally charged to any pressure beyond the limits of pressure for which it is intended.

51. **Switches to be on the live wire.**—(1) In any case where the conductors brought by the licensee to the point of commencement of supply include an earthed neutral conductor, the supply of energy shall not be commenced, or continued, until or unless the following provisions have been or are complied with, namely:—

(a) An indication of a permanent nature shall be provided by the licensee at or near the point of commencement of supply to enable such neutral conductor to be distinguished from any live conductor at that point, and no single-pole switch shall be inserted by the licensee in such conductor or any branch thereof except as hereinafter provided by this rule;

(b) If so required by the licensee the consumer shall provide a similar indication to distinguish that conductor, forming part of his system, which is to be connected to the earthed neutral conductor at the point of commencement of supply.

(2) In no case referred to in sub-rule (1) shall the consumer insert any single-pole switch or cut-out or permit such switch or cut-out to be or to remain inserted in any conductor referred to in sub-rule (1) (b).

(3) Notwithstanding the provisions of sub-rule (1) (a) of this rule, certain apparatus may be connected in an earthed neutral conductor as follows:—

(a) A link may be inserted for testing purposes, or a switch for use in controlling a generator or transformer;

(b) A switch or link may be inserted in the connection between the neutral conductor and earth at a generating station or sub-station for use in testing and emergencies only:

Provided that, in the case of consumers' systems connected to the licensee's main prior to the 1st July 1937, no penalty shall attach to any breach of this rule occurring before the 1st July 1938.

52. **Crossing metallic substances.**—(1) Where an electric supply-line crosses, or is in proximity to, any metallic substance, the owner of the supply-line shall take such precautions as an Inspector may approve against the possibility of the metallic substance becoming charged.

(2) Where such metallic substance is introduced after the electric supply-line has been laid or erected, the cost incurred in taking such precautions shall be refunded to the owner of the electric supply-line by the owner of the metallic substance.

53. **Cut-out.**—The owner of every electric supply-line (other than the earthed neutral conductor of any system or the earthed external conductor of a concentric cable) shall protect it by a suitable cut-out.

54 **Metal casings.**—All metal casings or metallic coverings containing or protecting any electric supply-line or apparatus shall be connected with earth by the owner, and shall be so joined and connected across all junction-boxes and other openings as to make good mechanical and electrical connection throughout their whole length:

Provided that this rule shall not apply to isolated wall tubes or to brackets, electroliers, standards, switch or fan regulator covers or other fittings (other than portable hand-lamps in factories) where the supply is at low pressure.

55. **Junction-bores.**—The owners of all street junction-boxes or pillars containing circuits or apparatus shall secure their covers and doors in such a manner that they can be opened only by means of a special appliance.

56 **Distinction of circuits of different pressure.**—The owner of every generating station, sub-station, junction-box or pillar in which there are any circuits or apparatus, intended for operation at different pressures, shall ensure that the respective circuits are readily distinguishable from one another.

57. **Connection with earth of frames of generators, etc.**—The frame of every generator, stationary motor, and, so far as is practicable, portable motor, and the metallic parts (not intended as conductors) of all transformers and regulating or controlling apparatus connected with the supply, shall be earthed by the owner by two separate and distinct connections with earth.

58. **Connection with earth of a multi-wire system.**—In every distributing system in which there is a neutral conductor, where the pressure between the neutral conductor and an outer or phase conductor exceeds 125 volts, the neutral conductor shall be connected with earth by two separate and distinct connections from the neutral bus-bar and in accordance with the following provisions, namely:—

(*a*) the connection shall be made at one point only on each distinct system, namely, at the generating station or sub-station, or both, as the case may be, and the insulation of the system shall be maintained at all other parts;

(*b*) the connection shall not be made by the aid of, nor shall it be in contact with any water-main, gas-main or similar main not belonging to the licensee or non-licensee, as the case may be, except with the consent of the owner thereof and of the Inspector; a resistance, not exceeding 20 ohms, may be inserted between the neutral bus-bar and earth, and, if so inserted, it shall be of sufficient cross-sectional area to carry the current which would pass should an outer or phase conductor become accidentally connected with earth;

(*c*) the connection shall not be removed except for the purpose of testing, in which case it shall be made good again as soon as such test is finished, and a record of any such disconnection shall be kept by the licensee or non-licensee, as the case may be;

(*d*) the connection shall not be removed in a licensee's system except between 1 A.M. and 3 A.M., and, in a non-licensee's system, while the generator is in operation or energy is being used;

(*e*) the current from the neutral conductor to earth shall, in the case of a licensee's direct current distributing system, be continuously recorded, and, if at any time it exceeds one-thousandth part of the maximum supply current, steps shall immediately be taken to improve the insulation of the system.

59. **Connection with earth of concentric conductors.**—(1) Notwithstanding anything contained in sub-rule (4) of rule 49, when concentric conductors are used, the owner shall maintain the insultation throughout, except that the external conductor may be connected with earth at one point:

Provided that where a person generates electricity exclusively for use on his own premises, he may use a bare external conductor if it is connected

with earth and if no switch, cut-out or circuit breaker is inserted in that conductor or in any conductor connected thereto.

Exception.—Switches, cut-outs or circuit breakers may be used to break the connection with the generators or transformers supplying energy:

Provided that in no case shall the connection of a bare external conductor with earth be thereby broken.

CHAPTER VII.

SUPPLY AT MEDIUM OR HIGH PRESSURE.

60. **General precautions applicable to supply at medium or high pressure.**—Where a licensee proposes to supply or use energy at medium or high pressure, he shall give notice to an Inspector and shall not commence or continue the supply unless and until he has complied with the following provisions, namely:—

(*a*) all live parts of apparatus shall, unless accessible only to, and under the control of, an authorised person, be protected by mechanically strong metal casings or metallic coverings securely fastened throughout;

(*b*) suitable linked switches, of requisite capacity to carry and break the current, shall be inserted in each conductor, near the point of origin on the consumer's premises;

(*c*) every conductor, unless accessible only to an authorised person, shall be, as far as is practicable, completely enclosed in a mechanically strong metal casing or metallic covering, securely fastened throughout or fixed in such other manner as may be approved in writing by an Inspector;

(*d*) the supply to every apparatus shall be efficiently controlled by suitable linked switches, of requisite capacity to carry and break the current in each conductor, placed near the apparatus in such a position as to be readily handled by the operator, so that by their means all pressure can be cut off from the apparatus concerned and from any device in connection therewith;

(*e*) the word "CAUTION" both in English and in the vernacular shall be affixed permanently in a conspicuous position, where possible, on every generator and every motor and every controlling or regulating apparatus in connection with such generator or motor:

Provided that, where it is not possible to affix them on the generator, motor, or apparatus, they shall be fixed as near as possible:

Provided also that, where the generator, motor, controlling or regulating apparatus, is within an enclosure accessible only to an authorised person, one notice affixed to the enclosure shall be sufficient for the purposes of this sub-rule.

61. **Main switchboard.**—The owner of every main switchboard connected with a supply of energy at medium or high pressure shall comply with the following provisions, namely:—

(*a*) a clear space of not less than 3 feet in width shall be provided in front of the switchboard;

(*b*) if there are any attachments or bare connections at the back of the switchboard, the space (if any) behind the switchboard shall be either less than 9 inches, or more than 30 inches in width, measured from the furthest outstanding part of any attachment or conductor;

(*c*) if the space behind the switchboard exceeds 30 inches in width, there shall be a passage-way clear to a height of not less than 6 feet, save as regards any horizontal supports of the switchboard, which may be placed at a height of not less than 4 feet 6 inches.

62. **Approval of high pressure supply.**—(1) No licensee or non-licensee shall deliver a high pressure supply to any person, other than a distributing licensee, except with the approval in writing of an Inspector, and subject to such conditions (if any) as such Inspector may think reasonable and proper in the circumstances, and the owner shall not bring the installation into use until it has been inspected by an Inspector or other officer appointed to assist an Inspector.

(2) Where energy is to be used by an owner at high pressure, the owner shall not bring the installation into use except with the approval in writing of an Inspector and subject to such conditions (if any) as he may think fit.

(3) When the position of a high pressure motor or other apparatus is changed, notice shall forthwith be given to the Inspector showing the extent and nature of the change of position.

(4) The owner of any high pressure installation who makes any such alterations in or additions to the installation as affect the supply shall not utilize the alterations or additions for the purposes of supply unless and until they have been approved by an Inspector.

63. **Testing of insulation of high pressure circuit.**—(1) The owner of a high pressure circuit, other than an aerial line, shall not bring it into use unless the insulation of electric supply-line, machine, device or apparatus pertaining thereto has withstood the continuous application, during one minute, of the testing pressure given in sub-rule (2); and the owner shall duly record the results of each test and shall forward them to an Inspector.

(2) For the purposes of sub-rule (1)—

(*a*) if the normal working pressure does not exceed 1,000 volts the testing pressure shall be 2,000 volts.

(b) if the normal working pressure exceeds 1,000 volts but does not exceed 10,000 volts, the testing pressure shall be double the normal working pressure,

(c) if the normal working pressure exceeds 10,000 volts the testing pressure shall be the normal working pressure plus 10,000 volts:

Provided that an Inspector may, if he thinks fit, accept the manufacturer's certified tests in place of the tests required by this rule.

64. **High pressure electric supply-lines and apparatus placed above ground.**—(1) All owners of high pressure apparatus, including every portion of any high pressure electric supply-line (other than an aerial line) placed above the surface of the ground, unless it is in a sub-station, or in a compartment specially arranged for the purpose and accessible only to authorised persons, shall ensure that it is completely enclosed in, or protected by, a mechanically strong metal casing or metallic covering securely fastened throughout:

Provided that this sub-rule shall not apply to neon signs and X-ray apparatus which are operated in accordance with instructions issued by the Inspector.

(2) All owners of circuits and apparatus connected with any high pressure apparatus to which sub-rule (1) is applicable shall ensure that they are marked at frequent intervals with the word "CAUTION", both in English and in the vernacular. All supports of high pressure aerial lines shall be similarly marked.

CHAPTER VIII.

AERIAL LINES.

65. **Minimum strength of conductors of aerial lines.**—The owner of an aerial line shall not use it for the supply of energy unless each conductor has an actual breaking load of not less than 700 lbs.:

Provided that, where the pressure is low and the span is of less than 50 feet and is on the owner's premises, a conductor having an actual breaking load of not less than 300 lbs. may be used.

66. **Maximum intervals between supports.**—The owner of an aerial line shall ensure that the conductors are attached to supports at intervals, not exceeding the safe limits based on the actual breaking load of the conductor and the factor of safety prescribed in rule 68:

Provided that where such a line is erected in, over, along or across any street, the interval shall not, without the consent in writing of the Inspector, exceed 220 feet.

67. **Connection with earth of metal supports and stay wires.**—(1) The owner of every aerial line supported by metal supports shall ensure that these supports are permanently and efficiently eathed. For this purpose a continuous earth wire securely fastened to each support and connected with earth at four points in every mile, the spacing between the points being as nearly equidistant as possible, shall be provided, or alternatively, each support shall be connected to an effective earthing device.

(2) Each stay-wire shall be similarly earthed unless an insulator has been placed in it at a height of not less than ten feet from the ground.

68. **Factors of Safety.**—(1) The owner of every aerial line shall ensure that it has the following factors of safety:—

(*i*) for metal supports, at least 2·5;

(*ii*) for other supports, at least 3·5;

(*iii*) for guard-wires or bearer-wires, at least 3;

(*iv*) for conductors, at least 2;

under all conditions, and that the strength of support in the direction of the line is not less than one-fourth of the strength required in a direction transverse to the line.

(2) For the purpose of calculating the factors of safety:—

(*a*) the maximum wind pressure shall be specified by the Provincial Government in each case;

(*b*) for cylindrical bodies the effective area shall be taken as two-thirds of the sectional area exposed to wind pressure;

(*c*) for lattice steel or other compound structures the wind pressure on the lee-side members shall be taken as one-half of the wind pressure on the windward side members, and the factor of safety shall be calculated on the crippling load of struts and upon the elastic limit of tension members;

(*d*) the temperature shall be taken as 32° F. or such other temperature as the provincial Government may specify.

(3) Notwithstanding anything in sub-rules (1) and (2), in localities where aerial lines are liable to accumulations of ice or snow, the provincial Government may, by order in writing, specify such factor of safety as it may think fit and the conditions under which it is to be calculated.

69. **Height from ground and distance from buildings.**—(1) Every conductor of an aerial line (not being a trolley-wire or a traction-feeder on the same support as a trolley-wire) shall be—

(*a*) at least 20 feet above the ground where it is over any part of a street or other public place;

(*b*) inaccessible, either from the ground or from any building or structure, whether permanent or temporary, except by the aid of a ladder or other special appliance.

(2) Where an aerial line is on a consumer's or an owner's premises, the height of every conductor from the ground or from any mineral or refuse dump and from parts of buildings or structures to which persons have access shall, unless the conductors are adequately guarded, be not less than 15 feet or such greater height as may be necessary to prevent danger.

(3) The owner of the aerial line shall be responsible for ensuring that the provisions of sub-rules (1) and (2) are observed.

70. **Erection or alteration of buildings.**—(1) If, at any time subsequent to the erection of an aerial line, any person proposes to erect a new building or structure, whether permanent or temporary, or to make in or upon any building or structure any permanent or temporary addition or alteration, he shall, if such building, structure, addition or alteration would, during or after construction, result in a contravention of the provisions of sub-rule (1) or sub-rule (2) of rule 69 give notice in writing of his intention to the owner, and to an Inspector, and shall furnish therewith a scale drawing showing the proposed building, structure, addition or alteration and the scaffolding required during its construction.

(2) On receipt of such notice the owner shall, without undue delay, so alter the aerial line as to ensure that it will not be accessible in such a manner as to contravene the provisions of sub-rule (1) or sub-rule (2) of rule 69 either during or after construction and shall be entitled to recover, from the person from whom the notice was received, the cost of such alterations which shall be deemed to include the following items, namely:—

(*i*) the cost of additional material used on the alteration;

(*ii*) the wages of labour employed in effecting the alteration;

(*iii*) supervisnon charges to the extent of 15 per cent. of item (*ii*); and

(*iv*) any charges incurred by the owner in complying with the provisions of section 16 in respect of such alterations:

Provided that the owner may, before so altering the aerial line, require the person from whom the notice was received to deposit the estimated cost of such alteration.

(3) No work upon the building, structure, addition or alteration shall be commenced until the Inspector has certified that neither during nor after construction the provisions of sub-rule (1) or sub-rule (2) of rule 69 will be contravened:

Provided that an Inspector may, if he is satisfied that the aerial line has been so guarded as to secure the protection of persons and property from injury or risk of injury, permit the work to be executed prior to, or, in the case of a temporary addition or alteration, without the alteration of the aerial line.

71. **Conductors at different pressures on same supports.**—Where conductors forming parts of systems at different pressures are erected on the same supports, the owners shall make adequate provision to guard against

danger to linesmen and others from the lower pressure system being charged above its normal working pressure by leakage from or contact with the higher pressure system; and the methods of construction and the clearances between the conductors of the two systems shall be subject to the prior approval of an Inspector.

72. **Protection from lightning.**—The owner of every aerial line shall adopt efficient means for protecting any portion of the line or any support, guard-wire or bearer-wire of the line which is so exposed as to be liable to injury from lightning.

73. **Safety devices.**—(1) The owner of every aerial line (not being suspended from a dead bearer-wire and not being a trolley-wire) erected over any part of a street or other public place or in any factory or mine or on any consumer's premises shall protect it with a device approved by an Inspector for rendering the line electrically harmless in case it breaks.

(2) An Inspector may by notice in writing require the owner of any such aerial line wherever it may be erected to protect it in the manner specified in sub-rule (1).

74. **Lines crossing or approaching each other.**—(1) Where an aerial line crosses or is in proximity to any telegraph-line the owner of the aerial line shall so protect it as to guard against the possibility of its coming into contact with the telegraph-line.

(2) Within twenty-one days of receiving notice that a telegraph-line has been, is being or is about to be erected in proximity to his aerial line the owner of the aerial line shall provide the protection referred to in sub-rule (1).

(3) Where an aerial line crosses or is in proximity to an aerial line belonging to another person, the owner of the line which was last erected shall so protect it as to guard against the possibility of its coming into contact with the other aerial line.

(4) A person erecting or proposing to erect an aerial line which will cross or be in proximity to another aerial line may require the owner of the other aerial line within twenty-one days to provide the protection referred to in sub-rule (3).

(5) In all cases referred to in the preceding sub-rules the expense of making the guarding arrangement shall be borne by the person whose line was last erected.

(6) Where two lines cross, the crossing shall be made as nearly at right angles as the nature of the case admits.

(7) The guarding arrangement shall ordinarily be carried out by the owner of the posts on which it is made, and he shall be responsible for its efficient maintenance.

(8) All work required to be done by or under this rule shall be carried out to the satisfaction of the Inspector.

75. **Lines crossing trolley-wires.**—In the case of a crossing over a trolley-wire the guarding shall fulfil the following conditions, namely:—

(*a*) where there is only one trolley-wire, two guard-wires shall be erected as in the appended diagram A;

(*b*) where there are two trolley-wires and the distance between them does not exceed 15 inches, two guard-wires shall be erected as in the appended diagram B;

(*c*) where there are two trolley-wires and the distance between them exceeds 15 inches but does not exceed 48 inches, three guard-wires shall be erected as in the appended diagram C;

(*d*) where there are two trolley-wires and the distance between them exceeds 48 inches, each trolley-wire shall be separately guarded as in the appended diagram D;

(*e*) the rise of the trolley boom shall be so limited that, if the trolley leaves the trolley-wire, it shall not foul the guard-wires; and

(*f*) where a telegraph-line is liable to fall or be blown down upon an arm, stay-wire or span-wire, and so slide down upon a trolley-wire, guard hooks shall be provided to prevent such sliding.

76. **Guard-wires.**—(1) Every guard-wire shall be connected with the earth, at each point at which its electrical continuity is broken and, in the case of electric traction-lines, shall also be connected, at intervals of not more than five spans, with the rails.

(2) Every guard-wire shall have an actual breaking load of not less than 1,500 lbs., and shall, if made of iron or steel, be galvanised.

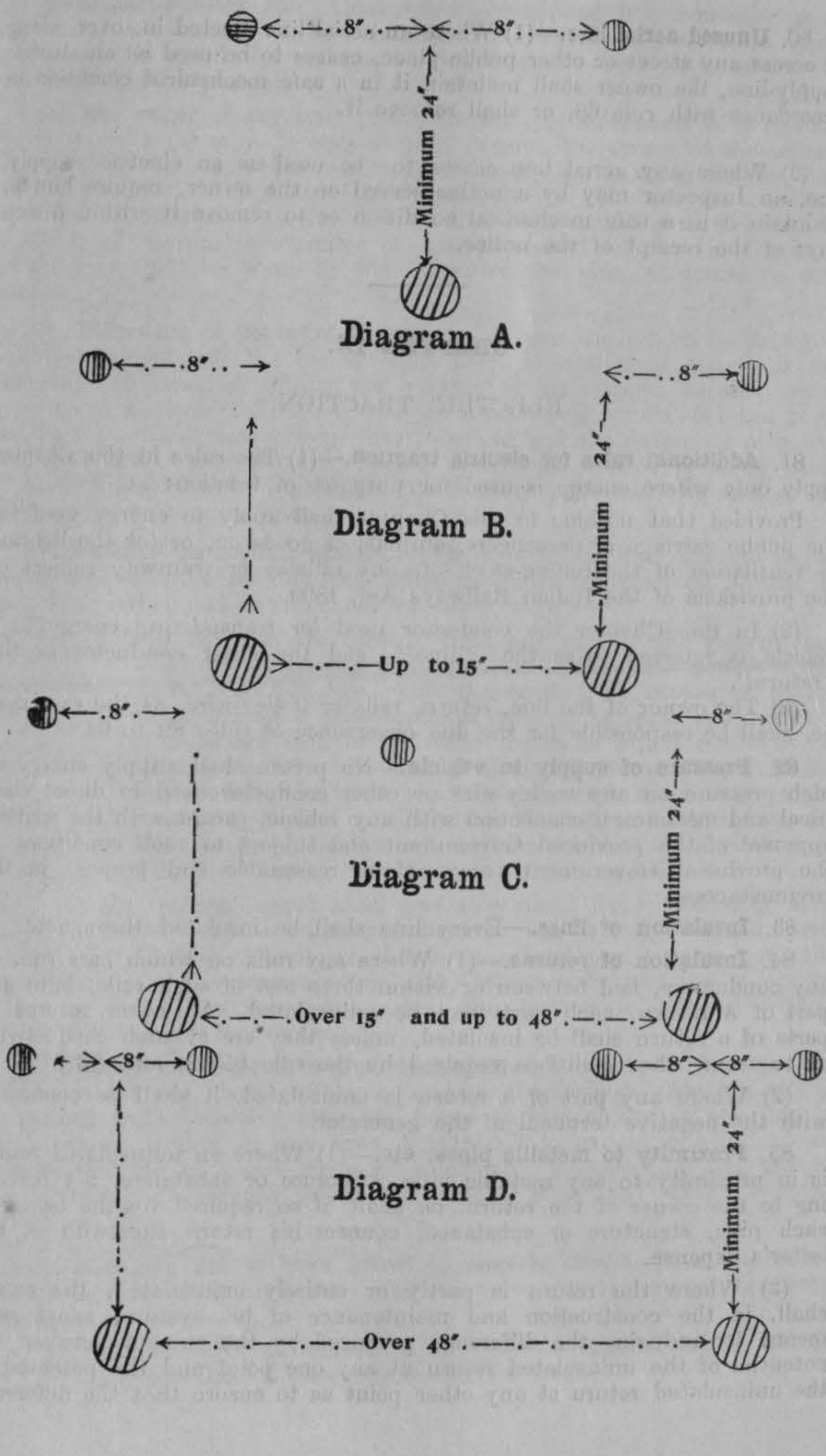
(3) Every guard-wire or cross-connected system of guard-wires, shall have sufficient current-carrying capacity to ensure the rendering dead, till the contact has been removed, of any live wire coming into contact with it, without risk of fusing of the guard-wire or wires.

(4) Every guard-wire or system of guard-wires and its supports shall have sufficient strength to carry without breaking the extra load which may be put on them by the fall of any or all the wires guarded.

77. **Alternative methods of guarding.**—Alternative methods of guarding may be substituted with the approval of an Inspector for those required by rule 75 and rule 76.

78. **Service-lines from aerial lines.**—No service-line or tapping shall be taken off an aerial line except at a point of support.

79. **High pressure aerial lines.**—The owner of high pressure aerial lines shall not make them live until they have been approved by an Inspector, and shall make arrangements to the satisfaction of the Inspector to prevent any person from climbing up any of the supports without the aid of a ladder or special appliance.



<..8"..><..8"..>
Minimum 24"
Diagram A.
<.—.8".. >
<.—..8"—>
Minimum 24"
Diagram B.
>—.—.—Up to 15'—.—.—>
<—.8".—>
<—8"—>
Diagram C.
Minimum 24"
<.—.—.Over 15" and up to 48".—.—.>
<8"> <—8"> <8"—>
Diagram D.
Minimum 24"
<—.—.—.—.—.Over 48".—.—.—.—.—.—>

80. **Unused aerial line.**—(1) Where an aerial line erected in, over, along or across any street or other public place, ceases to be used as an electric supply-line, the owner shall maintain it in a safe mechanical condition in accordance with rule 68, or shall remove it.

(2) Where any aerial line ceases to be used as an electric supply-line, an Inspector may by a notice served on the owner, require him to maintain it in a safe mechanical condition or to remove it within fifteen days of the receipt of the notice.

CHAPTER IX.

ELECTRIC TRACTION.

81. **Additional rules for electric traction.**—(1) The rules in this Chapter apply only where energy is used for purposes of traction:

Provided that nothing in this Chapter shall apply to energy used for the public carriage of passengers, animals or goods on, or for the lighting or ventilation of the rolling-stock of, any railway or tramway subject to
[IX of 1890.] the provisions of the Indian Railways Act, 1890.

(2) In this Chapter the conductor used for transmitting energy to a vehicle is referred to as the "line" and the other conductor as the "return".

(3) The owner of the line, return, rails or trolley-wire, as the case may be, shall be responsible for the due observance of rules 82 to 94.

82. **Pressure of supply to vehicle.**—No person shall supply energy at high pressure on any trolley-wire or other conductor used in direct electrical and mechanical connection with any vehicle, except with the written approval of the provincial Government and subject to such conditions as the provincial Government may think reasonable and proper in the circumstances.

83. **Insulation of lines.**—Every line shall be insulated throughout.

84. **Insulation of returns.**—(1) Where any rails on which cars run, or any conductors, laid between or within three feet of such rails, form any part of a return, such part may be uninsulated. All other returns or parts of a return shall be insulated, unless they are of such conductivity as to secure the conditions required by the rule 85 (2) and (3).

(2) Where any part of a return is uninsulated, it shall be connected with the negative terminal of the generator.

85. **Proximity to metallic pipes, etc.**—(1) Where an uninsulated return is in proximity to any metallic pipe, structure or substance, not belonging to the owner of the return, he shall, if so required by the owner of such pipe, structure or substance, connect his return therewith at the latter's expense.

(2) Where the return is partly or entirely uninsulated, the owner shall, in the construction and maintenance of his system, adopt such means for reducing the difference produced by the current between the potential of the uninsulated return at any one point and the potential of the uninsulated return at any other point as to ensure that the difference

of potential between the uninsulated return and any metallic pipe, structure or substance in the vicinity shall not exceed four volts where the return is relatively positive, or one and one-third volts where the return is relatively negative.

(3) The owner of any such pipe, structure, or substance as is referred to in sub-rule (2) may, in respect of it, require the owner of the uninsulated return at reasonable times and intervals to ascertain by test in his presence, or in that of his representative, whether the condition specified in sub-rule (2) is fulfilled; and, if such condition is found to be fulfilled, all reasonable expenses of, and incidental to, the carrying out of the test shall be borne by the owner of the pipe, structure or substance.

86. **Difference of potential on return.**—Where the return is partly or entirely uninsulated, the owner shall keep a continuous record of the difference of potential, during the working of his system, between every junction of an insulated return with an uninsulated return and the point on the route most distant from that junction, and the difference of potential shall not, under normal running conditions, exceed a mean value of seven volts between the highest momentary peak and the average for the hour of maximum load.

87. **Leakage on conduit system.**—Where both the line and the return are placed within a conduit, the following conditions shall be fulfilled in the construction and maintenance of the system:—

(a) where the rails are used to form any part of the return, they shall be electrically connected, at distances apart of not more than 100 feet, with the conduit by means of copper strips having a cross-sectional area of at least one-sixteenth of a square inch or by other means of equal conductivity. Where the return is wholly insulated and contained within the conduit, the latter shall be connected with earth at the generating station or sub-station through an instrument suitable for the indication of any contact or partial contact of either the line or the return with the conduit; and

(b) the leakage-current shall be ascertained daily, before or after the hours of running, when the line is fully charged; and, if at any time it is found to exceed one ampere per mile of single tramway track, the transmission and use of energy shall be suspended unless the leakage is stopped within twenty-four hours.

88. **Leakage on other than conduit system.**—Where both the line and the return are not placed within a conduit, the leakage-current shall be ascertained daily before or after the hours of running, when the line is fully charged; and if at any time it is found to exceed one-half of an ampere per mile of single tramway track, the transmission and use of energy shall be suspended unless the leakage is stopped within twenty-four hours.

89. **Passengers not to have access to electric circuit.**—Precautions to the satisfaction of an Inspector shall be taken by the owner of every vehicle to prevent—

(a) the access of passengers to any portion of the electric circuit where there is danger from electric shock;

(*b*) any metal hand-rail or other metallic substance liable to be handled by passengers becoming charged.

90. **Current density in rails.**—Where rails on which cars run are used as a return, the current density in such rails shall not, under ordinary working conditions, exceed nine amperes per square inch of cross-sectional area.

91. **Isolation of sections.**—Every trolley-wire shall be constructed in sections not exceeding one mile in length, and means shall be provided for isolating each section.

92. **Minimum size and strength of trolley-wire.**—No trolley-wire shall be of less cross-sectional area than eight one-hundredths of a square inch or shall have an actual breaking load of less than 4,500 lbs.

93. **Height of trolley-wire and length of span.**—A trolley-wire or a traction-feeder on the same supports as a trolley-wire shall nowhere be at a height from the surface of the street of less than 17 feet, except where it passes under a bridge or other fixed structure, or through or along a tunnel or mine-shaft or the like, in which case it shall be suspended to the satisfaction of an Inspector. The intervals between the supports shall not exceed 140 feet.

94. **Records.**—(1) The owner shall, so far as is consistent with his system of working, keep the following records, namely:—

(*a*) daily records showing:—

the maximum working current from the source of supply;

the maximum working pressure at the source of supply;

the difference of potential, as required by rule 86; and

the leakage-current (if any), as required by rule 87 and rule 88; and

(*b*) occasional records showing—

every test made under rule 85 (2) and (3);

every stoppage of leakage, together with the time occupied; and

particulars of any abnormal occurrence affecting the electrical working of the system.

(2) These records shall be open to inspection by an Inspector or by any person authorised in writing by an Inspector.

CHAPTER X.

ADDITIONAL PRECAUTIONS TO BE ADOPTED IN MINES AND OIL-FIELDS.

95. **Application of Chapter.**—(1) The rules in this Chapter apply only:—

(*a*) where energy is used in mines where the provisions of Part III of the Act apply; and

(*b*) where energy is used in oil-fields.

(2) In mines the rules in this Chapter do not apply to apparatus used above ground, excepting such apparatus as may directly affect the safety of persons below ground.

96. **Responsibility for observance.**—(1) It shall be the duty of the owner, agent, or manager of the mine, or of the agent of any company operating in the oil-field, or of the owner of one or more drilled wells situated in the oil-field, to comply with and enforce the following rules and it shall be the duty of all persons employed to conduct their work in accordance with the rules.

(2) An authorised person shall be on duty in every mine or oil-field while energy is being used therein.

97. **Notices.**—(1) On or before the first day of February in every year in every oil-field returns giving the size and type of apparatus and any particulars as to the circumstances of its use which may be required by the Inspector shall be sent by the persons specified in rule 96 in the form set out in Annexure IX.

(2) This rule does not apply to telephones and signalling apparatus or to low pressure installations for lighting only.

98. **Plans.**—(1) A correct plan on the same scale as the plan kept at the mine in fulfilment of the requirements of the Indian Mines Act, 1923, **IV of 1923.** shall be kept in the office at the mine showing the position of all fixed apparatus and conductors in the mine, other than lights, telephones or signalling apparatus, or cables for the same.

(2) A similar plan, on a scale of not less than sixteen inches to the mile, shall be kept by the manager or owner of one or more wells in any oil-field, showing similar particulars.

(3) A similar plan, on such scale as the Governor General in Council may require, shall be kept in the office of the licensee or person transmitting or distributing energy in a mine or oil-field, showing the position of all electric supply-lines under his control.

(4) The plans required by this rule shall be corrected every six months, and the dates of correction entered on them by the Manager of the mine or wells or the owner of the wells, and they shall be produced to an Inspector or an Inspector of Mines at any time on his request.

99. **Lighting, communications and fire precautions.**—(1) In a mine lighted by electricity, one or more safety lamps or other proper lights shall be kept continuously burning in all places where failure of the electric light at any time would be likely to cause danger.

(2) Efficient means shall be provided in every mine for communicating between the place in which the switchgear provided under sub-rule (1) of rule 106 is erected and the shaft-bottom or main distributing centre in the mine.

(3) Appliances for extinguishing fires shall be kept ready for immediate use in every place in a mine containing apparatus, other than cables, telephones and signalling apparatus.

100. **Isolation and fixing of transformer, switchgear, etc.**—(1) Where necessary to prevent danger or mechanical damage, transformers and switchgear shall be placed in a separate room, compartment, or box.

(2) Unless the apparatus is so constructed, protected, and worked as to obviate the risk of fire, no inflammable material shall be used in the construction of any room, compartment, or box containing apparatus, or in the construction of any of the fittings therein. Each such room, compartment, or box shall be substantially constructed and shall be kept dry.

(3) Adequate working space and means of access clear of obstruction and free from danger shall, so far as circumstances permit, be provided for all apparatus that has to be worked or attended to, and all handles intended to be operated shall be conveniently placed for that purpose.

101. **Method of earthing.**—Where earthing is necessary it shall be carried out in a mine by connection to an earthing system at the surface of the mine, in a manner approved by an Inspector.

102. **Earth or fault detectors.**—(1) Earth or fault detectors or recorders shall be connected up in every system in a mine to show immediately any defect in the insulation of the system.

(2) The readings of these instruments shall be recorded daily in a book kept at the generating station, sub-station or switch room.

103. **Earthing metal, etc.**—(1) All metallic sheaths, coverings, handles, joint-boxes, switchgear frames, instrument covers, switch and fuse covers and boxes, and all lampholders, unless efficiently protected by an earthed or insulating covering made of fire-resisting material, and the frames and bed-plates of generators, transformers, and motors (including portable motors), shall be earthed by connection to an earthing system in the manner prescribed in rule 101.

(2) Where the cables are provided with a metallic covering constructed and installed in accordance with clause (*d*) of rule 107, such metallic covering may be used as a means of connection to the earthing system.

(3) All the conductors of an earthing system shall have a conductivity at all parts and at all joints at least equal to 50 per cent. of that of the largest conductor used solely to supply the apparatus a part of which it is desired to earth:

Provided that no conductor of an earthing system shall have a cross-sectional area of less than ·022 of a square inch.

(4) All joints in earth conductors and all joints to the metallic covering of the cables shall be properly soldered or otherwise efficiently made.

(5) No switch, fuse, or circuit-breaker shall be placed in any earth conductor.

(6) This rule shall not apply (except in the case of portable apparatus) to any system in a mine in which the pressure does not exceed low pressure direct current or 125 volts alternating current.

104. **Motors and their transformers.**—(1) Where energy is distributed at a pressure higher than medium pressure:—

(*i*) it shall not be used without transformation to medium or low pressure except in fixed machines in which the high pressure parts are stationary; and

(*ii*) motors under 20 H. P. shall be supplied through a transformer stepping down to medium or low pressure.

(2) Where energy is transformed, suitable provision shall be made to guard against danger by reason of the lower pressure apparatus becoming accidentally charged above its normal pressure by leakage from, or contact with, the higher pressure apparatus.

105. **Switchgear and terminals.**—Switchgear and all terminals, cable-ends, cable-joints and connections of apparatus shall be totally enclosed,

and shall be so constructed and installed as to comply with the following requirements :—

(i) all parts shall be of mechanical strength sufficient to resist rough usage;

(ii) all conductors and contact areas shall be of ample current-carrying capacity and all joints in conductors shall be properly soldered or otherwise efficiently made;

(iii) the lodgment of any matter likely to diminish the insulation or affect the working of any switchgear shall be prevented;

(iv) all live parts shall be so protected or enclosed as to prevent persons accidentally coming into contact with them and danger from arcs, short-circuits, fire, water, gas or oil;

(v) where there may be risk of igniting gas, coal-dust, oil or other inflammable material, all parts shall be so protected as to prevent open sparking; and

(vi) every switch or circuit-breaker shall be capable of opening the circuit it controls, without danger, or any short circuit with which it may have to deal.

106. **Cutting off supply.**—(1) Properly constructed switchgear for cutting off the supply of energy to the mine or oil-field shall be provided at the surface of the mine or oil-field at a point approved by an Inspector; and, during the time any cable is live, a person authorised to operate the said switchgear shall be available within easy reach thereof.

(2) Efficient means, suitably placed, shall be provided for cutting off all pressure from every part of a system, when necessary to prevent danger.

(3) Such efficient means shall be provided for cutting off all pressure automatically from the part or parts of the system affected in the event of a fault as may, in the opinion of an Inspector, be necessary to prevent danger.

(4) Every motor shall be controlled by switchgear for starting and stopping, so arranged as to cut off all pressure from the motor and from all apparatus in connection therewith, and so placed as to be easily worked by the person appointed to work the motor.

107. **Cables.**—All cables, other than flexible cables for portable apparatus, shall comply with the following requirements:—

(a) they shall be covered with insulating material (except that the outer conductor of a concentric system may be bare). They shall be efficiently protected from mechanical damage and supported at sufficiently frequent intervals and in such a manner as adequately to prevent damage to the cables or danger;

(b) (i) except as provided in clause (c), no cables other than concentric cables, or two-core cables or multi-core cables protected by a metallic covering, or single-core cables which contain all the conductors of the circuit, shall be used (1) where the pressure exceeds low pressure direct current or 125 volts alternating current or (2) when an Inspector considers that

there is risk of igniting coal-dust or other inflammable material, and so directs; and

(*ii*) the lead sheath of lead sheathed cables and the iron or steel armouring of armoured cables respectively shall be of a thickness not less than that recommended from time to time by the British Standards Institution;

(*c*) where the medium pressure direct current system is used, two single-core cables may be used for any circuit, if their metallic coverings are bonded together by earth conductors so placed that the distance between any two consecutive bonds is not greater than 100 feet measured along either cable;

(*d*) the metallic covering of every cable shall be—

(*i*) electrically continuous throughout;

(*ii*) earthed, if it is required by sub-rule (1) of rule 103 to be earthed, by a connection to the earthing system of not less conductivity than the same length of the said metallic covering;

(*iii*) efficiency protected against corrosion where necessary;

(*iv*) of a conductivity at all parts and at all joints at least equal to 50 per cent. of the conductivity of the largest conductor enclosed by the said metallic covering; and

(*v*) where there may be risk of igniting gas, coal-dust, or other inflammable material, so constructed as to prevent, as far as is practicable, the occurrence of open sparking as the result of any fault or leakage from live conductors:

Provided that, where two single-core cables protected by metallic covering bonded together in accordance with clause (*c*) of this rule are used for a circuit, the conductivity of each of the said metallic coverings at all parts and at all joints shall be at least equal to 25 per cent. of the conductivity of the conductor enclosed thereby;

(*e*) cables and conductors where joined up to motors, transformers, switchgear, and other apparatus, shall be installed so that—

(*i*) they are mechanically protected by securely attaching the metallic covering to the apparatus; and

(*ii*) the insulating material at each cable end is efficiently sealed so as to prevent the diminution of its insulating properties.

Where necessary to prevent abrasion or to secure gas-tightness there shall be properly constructed glands or bushes; and

(*f*) unarmoured cables or conductors, shall be either conveyed in pipes or casings or suspended from efficient insulators by means of some non-conducting material which will not cut the covering and which will prevent contact with any timbering or metal work. If separate uncased wires are used, they shall be kept at least one and a half inches apart and shall not be brought together except at lamps, switches and fittings.

108. **Flexible cables.**—(1) Flexible cables for portable apparatus shall be two-core or multi-core unless they are required for electric welding, and shall be covered with insulating material which shall be efficiently protected from mechanical damage. If a flexible metallic covering is used either as the outer conductor of a concentric system or as a means of protection from mechanical damage, it shall not be used by itself to form an earth conductor for the portable apparatus, but it may be used for that purpose in conjunction with an earthing core.

(2) Every flexible cable for portable apparatus shall be connected to the system and to the portable apparatus by a properly constructed connector.

(3) At every point where flexible cables are joined to main cables a switch shall be provided which is capable of entirely cutting off the pressure from the flexible cables.

(4) Every flexible cable attached to a portable machine shall be examined periodically by the person authorised to work the machine, and, if such cable is used underground, he shall examine it at least once in each shift. If such cable is found to be damaged or defective, it shall forthwith be replaced by a spare cable in good condition, and shall not again be used until it has been properly repaired.

109. **Portable machines.**—The person authorised to work an electrically driven coal-cutter or other portable machine shall not leave the machine while it is working and shall, before leaving the place where such machine is working, ensure that the pressure is cut off from the flexible trailing-cable which supplies such machine. Trailing-cables shall not be dragged along by the machine when working.

110. **Sundry precautions.**—(1) All apparatus shall be kept clear of obstruction and free from dust, dirt and moisture.

(2) Inflammable or explosive material shall not be stored in any room, compartment, or box containing apparatus, or in the vicinity of apparatus.

(3) Should there be a fault in any circuit, the part affected shall be made dead without delay, and shall remain so until the fault has been remedied.

(4) While lamps are being changed the pressure shall be cut off.

(5) No lampholder shall be in metallic connection with the guard or other metal work of a portable lamp.

111. **Precautions where gas exists.**—(1) In any part of a mine or oil-field in which inflammable gas or vapour, whether normally present or not, is likely to occur in quantity sufficient to be indicative of danger, and in any working approaching such part, the following additional requirements shall be satisfied as regards all apparatus:—

(*a*) all cables, apparatus, signalling wires and signalling instruments shall be so constructed, installed, protected, worked and maintained, that in the normal working thereof there shall be no risk of open sparking;

(*b*) all motors shall be so constructed that, when any part is live, all rubbing contacts (such as commutators and slip-rings) are so arranged or enclosed as to prevent open sparking;

(c) the pressure shall be cut off the apparatus immediately if open sparking occurs, and during the whole time that examination or adjustment disclosing parts liable to open sparking is being made. The pressure shall not be switched on again until the apparatus has been examined by the electrician or one of his duly appointed assistants and the defect, if any, has been remedied or the adjustment made;

(d) every electric lamp shall be enclosed in an air-tight fitting, and the lamp globe shall be hermetically sealed; and

(e) a safety lamp shall be provided and kept continually burning near each motor when working and, should the appearance of the flame of such safety lamp indicate the presence of inflammable gas, the pressure shall be cut off immediately from all apparatus in the vicinity and the matter shall be reported forthwith to an official of the mine.

(2) If at any time in any place the percentage of inflammable gas in the general body of the air is found to exceed one and a quarter, the supply of energy shall be cut off immediately from all cables and apparatus in that place and shall not be recommenced so long as the percentage of inflammable gas exceeds that amount.

112. **Shot-firing.**—(1) When shot firing is being carried on adequate precautions shall be taken to protect conductors and apparatus from injury.

(2) Current from lighting or power circuits shall not be used for firing shots.

(3) Shot-firing cables shall be covered and protected as provided by rule 108 for flexible cables. Adequate precautions shall be taken to prevent them from touching other cables and apparatus.

113. **Signalling.**—Where electrical signalling is used:—

(a) adequate precautions shall be taken to prevent signal and telephone wires from touching cables and other apparatus;

(b) the pressure used in any one circuit shall not exceed 25 volts; and

(c) contact makers shall be so constructed as to prevent the accidental closing of the circuit.

114. **Haulage.**—Haulage by electric locomotives on the overhead trolley-wire system, at pressures not exceeding medium, and haulage by storage battery locomotives, may be used with the prior consent in writing of an Inspector, and subject to such conditions affecting safety as he may impose.

115. **Supervision.**—(1) An electrician shall be appointed in writing by the owner, agent or manager of the mine or by the agent or the owner of one or more wells in an oil-field to supervise the apparatus. If necessary for the proper fulfilment of the duties detailed in this rule, one or more assistants to the electrician shall be appointed by the aforesaid authority.

(2) Every person appointed to work, supervise, examine, or adjust any apparatus shall be competent for the work that he is set to do. No person except the electrician, or a competent person acting under his supervision, shall undertake any work where, in order adequately to avoid danger, technical knowledge or experience is required.

(3) The electrician shall be responsible for the proper performance by himself or by an assistant appointed under sub-rule (1) of the following duties, namely:—

(*i*) the thorough examination of all apparatus (including the testing of earth conductors and metallic coverings for continuity) as often as may be necessary to prevent danger; and

(*ii*) the examination and testing of all new apparatus, and of all apparatus re-erected in the mine before it is put into service in a new position.

(4) In the absence of the electrician for more than three days the owner, agent or manager of the mine or the agent or owner of one or more oil-wells in an oil-field shall appoint in writing an efficient substitute.

(5) The electrician or the substitute appointed for him under sub-rule (4) shall keep at the mine or oil-field a log-book made up of daily log-sheets kept in the form set out in Annexure X. The log-book shall be produced at any time on request to an Inspector of Mines or an Inspector.

116. **Exemptions.**—(1) The provisions of rules 96 to 113, both inclusive, and 115, shall not apply in any case in which exemption is obtained, on such conditions as he may prescribe, from an Inspector, on the ground either of emergency or special circumstances.

CHAPTER XI.

MISCELLANEOUS.

117. **Relaxation by Government.**—(1) The provincial Government or, where mines, oil-fields or railways are affected, the Governor General in Council may, by order in writing, direct that any of the provisions of rules 38 to 45 and of Chapters VI, VII, VIII and IX of these rules, shall be relaxed in any particular case to such extent and subject to such conditions as it or he may think fit.

(2) The Governor General in Council may by order in writing direct that any of the provisions of Chapter X of these rules shall be relaxed in any particular case to such extent and subject to such conditions as he may think fit.

118. **Relaxation by Inspector.**—(1) An Inspector may, by order in writing, direct that any of the provisions of rules 46, 57, 61, 63, 66, 67, 68, 69 (1) (*a*), 73, 74, 75 and 76 shall be relaxed in any particular case to such extent and subject to such conditions as he may think fit.

(2) Where the pressure on any system does not exceed 125 volts an Inspector may, by order in writing, direct that any of the provisions of rules 38 to 45, both inclusive, 49, 55, 56, 58 to 70, 72 to 111 and 115, shall be relaxed as regards such system to such extent and subject to such conditions as he may think fit.

(3) Every relaxation so directed shall be reported forthwith to, and shall be subject to disallowance or revision by, the provincial Government, or where the relaxation affects mines, oilfields or railways, the Governor General in Council.

119. **Supply of energy by non-licensees.**—Where any person other than the non-licensee is supplied with energy by a non-licensee or has his premises for the time being connected for the purposes of a supply of energy with the works of a non-licensee, such person shall be deemed to be a consumer for the purposes of rules 38 to 40 inclusive, 48 and 60 and the non-licensee shall be subject to all the liabilities imposed on a licensee by those rules.

120. **Responsibility of Agents and Managers.**—Where any licensees, non-licensees or owners, are responsible for the observance of any of these rules, the agents and managers of such licensees, non-licensees or owners shall be jointly responsible for the observance of these rules in respect of any matters under their control.

121. **Mode of entry.**—All persons entering in pursuance of the Act or these rules, any building which is used as a human dwelling or a place of worship shall, in making such entry, have due regard, so far as may be compatible with the exigencies of the purpose for which such entry is made, to the social and religious usages of the occupant of the building entered.

122. **Penalty for breaking seal.**—Where, in contravention of rule 31, any seal referred to in that rule is broken,—

(*a*) the person breaking the seal shall be punishable with fine which may extend to two hundred rupees; and

(*b*) the consumer when he has not himself broken the seal shall be punishable with fine which may extend to fifty rupees unless he proves that he used all reasonable means in his power to ensure that the seal should not be broken.

123. **Penalty for breach of rule 48.**—Where any electrical installation work of the nature specified in rule 48 has been carried out otherwise than—

(*a*) under the direct supervision of a person holding a certificate of competency issued by the provincial Government under that rule; and

(*b*) in the absence of any applicable exemption under the proviso to sub-rule (1) of that rule, by an electrical contractor licensed by the provincial Government in this behalf;

the consumer or owner, the contractor (if any) through whom the work was carried out, and the person under whose immediate supervision it was carried out shall each be punishable with fine which may extend to three hundred rupees.

124. **Penalty for breach of rules.**—Whoever, being a licensee or non-licensee or consumer or authorised person, or the agent or manager of a licensee, non-licensee or consumer commits a breach of these rules or, being a person specified in rule 70 (1) commits a breach of that rule shall be punishable for every such breach with fine which may extend to three hundred rupees, and in the case of a continuing breach with a further fine which may extend to fifty rupees for every day after the first during which the breach has continued.

125. **Application of rules.**—Subject to the provisions of sub-section (*2*) of section 58, these rules shall be binding on all persons, companies, and undertakings to whom licences have been granted or with whom agreements have been made by or with the sanction of Government for the supply or use of electricity before the commencement of the Act.

ANNEXURE I.

[SEE RULE 2 (1) (*b*).]

Specification relating to the Deposition of Silver.

The electrolyte shall consist of a solution of from 15 to 20 parts by weight of silver nitrate in 100 parts of distilled water. The solution must only be used once, and only for so long that not more than 30 per cent. of the silver in the solution is deposited.

The anode shall be of silver, and the kathode of platinum. The current density at the anode shall not exceed 1/5 ampere per square centimetre and at the kathode 1/50 ampere per square centimetre.

Not less than 100 cubic centimetres of electrolyte shall be used in a voltameter.

Care must be taken that no particles which may become mechanically detached from the anode shall reach the kathode.

Before weighing, any traces of solution adhering to the kathode must be removed and the kathode dried.

ANNEXURE II.

[SEE RULE 7 (1).]

Scale of Fees for comparison with the Government of India Standards referred to in Rule 2 (1).

	Rs.
For an instrument intended to be used as a sub-standard and submitted for special examination and testing	80
If required to be kept under observation for a period longer than one month, for each additional month or part of a month . . .	40
For determining a resistance of standard form to highest accuracy obtainable, at one temperature	20
For determining the E. M. F. of a standard cell to highest accuracy obtainable, at one temperature	15

NOTE 1.—The instruments and apparatus under test are to be delivered at and removed from the Government Electrical Laboratory, Bhowanipore, Calcutta, free of cost to Government.

NOTE 2.—In tests requiring the expenditure of a considerable amount of power, charge to cover the actual cost of the energy used, may be made.

ANNEXURE III.

[SEE RULE 14.]

Model Form of Draft Licence under the Indian Electricity Act, 1910.

[SEE SECTION 3.]

Electric Licence, 19 .

DRAFT LICENCE.

Signature of Applicant or

his Agent (if any).

Address of Applicant.

THE ELECTRIC LICENCE 19 .

Licence for the supply of energy granted by the Government of under the Indian Electricity Act, 1910.

Licence is hereby granted to [1]

[1] The licensee may be any local authority, company or individual. In the case of a firm give names of individual partners.

[carrying on business in partnership under the name and style of]
to supply electrical energy in the area,[1] with the powers and upon the terms and conditions all specified below.

Short title.

1. This licence may be cited as " The [2] Electric Licence 19 ".

Interpretation.

2. In this licence :—

(1) " the Act " shall mean the Indian Electricity Act, 1910.

(2) the expression " the licensees " shall mean and include the said [3] and their [or his] permitted assigns ; and

(3) the expression " deposited map " shall mean the plan of the area of supply hereinafter specified which has been deposited with Government in pursuance of the Rules under the Act, which plan is signed for the purpose of identification by the Secretary to the Government of in the Department and by the applicants under the name and style of .

(4) other words and expressions have the same meaning as are assigned to them in the Act or the Rules made thereunder.

Security.[4]

3. (*1*) The period within which, under clause I (*a*) of the Schedule to the Act, the licensee shall show that he is in a position fully and efficiently to discharge the duties and obligations imposed on him shall be

(*2*) The period within which, under clause I (*b*) of the Schedule to the Act, the licensee shall deposit or secure such sum as therein mentioned, and the sum so to be deposited or secured, shall, unless otherwise ordered by the Government under that clause, be and Rupees respectively.

Area of supply.[5]

4. The area within which the supply of energy is authorised by this licence (the area of supply under the Act) is the whole of the area bounded as follows :—

North—By

East—By

South—By

West—By

the boundaries whereof are delineated in the deposited map.

Power to lay mains outside area of supply.[6]

5. The licensee may lay down or place electric supply-lines for the conveyance and transmission of energy from a generating station situated or to be situated at outside the area of supply to the boundary of the area of supply.

Limits within which the supply of energy is to be compulsory.[7]

6. (*1*) The works to be executed to the satisfaction of the Government under clause IV of the Schedule to the Act are the following, namely :—[8]

(*2*) If the licensee fails to comply with the provisions of sub-clause (*1*), the licence may be revoked.[9]

---

[1] See clause 4.
[2] Short title to agree with heading.
[3] Individual names as in preamble in the case o fa firm.
[4] See section 4 (*1*) (*c*) of the Act and clause I of the Schedule to the Act.
[5] The area for which each local authority is constituted should be distinctly marked or coloured See rule 11 (*b*).
[6] This clause should be retained only where the licensee is to supply energy from a generating station outside the area of supply. Where power to cross an intervening area is sought under section 3 (*1*) of the Act enter details here.
[7] See section 3 (*2*) (*d*) of the Act.
[8] It is open to the licensee to propose a " compulsory area " or to the provincial Government to make provision for such an area. Ordinarily it will be sufficient to enter here the names of " compulsory streets " in which the licensee will lay distributing mains. If no compulsory works are specified in the licence, the provincial Government may subsequently direct what works are to be executed ; see clause IV of Schedule to the Act.
[9] See note to sub-clause (*1*) of this clause.

Nature of the supply and limits of price to be charged for the supply of energy.

7. (*1*) The nature of the supply shall be   or such other as the provincial Government may allow.

(*2*) The prices to be charged by the licensee for energy supplied by him shall not exceed the following maxima, namely :—

or in the case of a method of charge approved by the Government in accordance with sub-sections (*3*) and (*4*) of section 23 of the Act, such maxima as the Government may fix on approving the method.

Breaking up of streets, railways and tramways.[1]

8. The licensee is specially authorised to open and break up the soil and pavement of the following streets or parts of streets which are not repairable by the Government or by a local authority, and of the following railways and tramways or parts of railways and tramways, namely :—

(*a*) Streets.

(*b*) Railways.[2]

(*c*) Tramways.[2]

Purchase of undertaking.

9. (*1*) The option of purchase given by sub-section (*1*) of section 7 of the Act shall be exercisable on the expiry of a period of 50 years,[3] from the date of the notification of this licence and on the expiry of every subsequent period of 20 years (and the terms [4] of such purchase shall be   ). The percentage of the value to be determined in accordance with and for the purpose of sub-section (*1*) of section 7 of the Act of the lands, buildings, works, materials and plant of the licensee therein mentioned to be added under the second proviso of that sub-section to such value on account of compulsory purchase shall be   per cent.

(*2*) In accordance with clause (*d*) (*ii*) of sub-section (*2*) of section 3 of the Act, it is hereby declared that the generating station to be used in connection with the undertaking shall/shall not form part of the undertaking for the purpose of purchase under section 5 or section 7[5].

Additions to, variations from, and exceptions from the schedule to the Act.[6]

10. (*1*) In pursuance of clause (*f*) of sub-section (?) of section 3 of the Act, it is hereby expressly declared that the provisions contained in the Schedule to the Act shall for the purposes of this licence be supplemented by the addition of the following clauses namely :—[7]

(*2*) In pursuance of clause (*f*) of sub-section (*2*) of section 3 of the Act, it is hereby expressly declared that the clauses of the Schedule to the Act mentioned below shall be varied in the manner hereinafter indicated, namely :—

(*3*) In pursuance of clause (*f*) of sub-section (*2*) of section 3 of the Act, it is hereby expressly declared that clause(s)   of the Schedule to the Act shall be excepted from incorporation in this licence.

NOTE.—In the preparation of a draft licence the above model form may be varied, or added to, by the applicant so far as the Act and rules admit.

Rules Nos. 11 to 15 inclusive, as to applications for licences, should be consulted. In drawing up a draft licence the attention of the applicant is more particularly directed to the following sections of the Act, *viz.*, 3, 4, 7, 10, 11, 12, 21, 22, 23, 27, 51 and 57 ; the powers under section 51 can only be conferred after the grant of the licence.

In the case of licences for bulk supply, see clause IX of the Schedule to the Act and the proviso to clause (*f*) of sub-section (*2*) of section 3 of the Act, also clause (*b*) of section 10 of the Act.

---

[1] This clause to be omitted if no such powers are required in the licence. See section 12 (*5*) of the Act and proviso to the same. Powers can be obtained subsequently ; see rule 23.
[2] In ordinary cases the level-crossings or points at which interference is proposed must be specified.
[3] The periods after which an option to purchase arises may be less than 50 and 20 years, respectively.
[4] The terms must not differ from those laid down in the Act unless the powers of section 10 are invoked to modify or cancel them.
[5] The generating station or stations belonging to the licensee should ordinarily be included except where they form part of a traction undertaking previously authorised.
[6] To be omitted if not required in any draft licence.
[7] The latter part of the clause may require modification according to the circumstances.

ANNEXURE IV.

Model Form of Accounts prescribed under the Indian Electricity Act, 1910, for Local Authorities.

[SEE SECTION 11 AND RULE 36 (3).]

ELECTRIC LICENCE.

THE †

Year ending 31st December 19 . / 31st March 19 .

I.—Statement as to loans authorised for the purposes of the undertaking referred to in the abovementioned licence prior to the end of the year for which accounts are made up.

Amounts sanctioned and nature of loan.	Amount borrowed.				Amount repaid.				Amount sanctioned but not borrowed.
	At per cent.	At per cent.	At per cent.	Total.	At per cent.	At per cent.	At per cent.	Total.	

† Enter designation of local authority.

Local Authorities Accounts.

No. II.—CAPITAL ACCOUNT.

For the year ending 31st December 19 . / 31st March 19 .

DR. CR.

—	Expenditure up to end of previous year.	Expended during the year.	Total expenditure to	—	Receipts up to end of previous year.	Received during the year.	Total receipts to
1. To preliminary expenses (to be specified).				1. By amount raised by loans.			
2. To lands, including law charges incidental to acquisition.				2. By amount received as Government contribution.			
3. To value of lands appropriated for electrical purposes, as per contra.				3. By value of lands belonging to authority appropriated for electrical purposes.			
4. To buildings . .				4. By value of surplus lands sold.			
5. To plant . .				5. By other receipts (to be specified).			
6. To mains . .				6. By amount transferred from Net Revenue Account.			
7. To service connections.							
8. To transformers, etc. .							
9. To meters and fees for certifying under the Act.							
10. To general stores .							
11. To transfer to Sinking Fund of value of lands sold, as per contra.							
12. To amount applied to the reduction of principal of borrowed money from value of (2), lands sold, as per contra.							
13. To special items (to be specified).							
Total expenditure .							
To balance of Capital Account.							

Local Authorities Accounts.

No. III.—REVENUE ACCOUNT.

For the year ending 31st December 19 . / 31st March 19 .

DR. CR.

A.—Generation.			1. By balance from last account.		
1. To fuel			Less bad debts written off.		
2. To oil, waste, water and engine-room stores.					
3. To proportion of salaries of engineers, superintendents and officers.			2. By sale of energy for lighting purposes.		
4. To wages and gratuities .			3. By sale of energy for power purposes.		
5. To repairs and maintenance as follows :—			4. By sale of energy under special contracts.		
Buildings . . .			5. By public lighting .		
Plant . . .					
To special items (to be specified).			6. By rental of meters and other apparatus on consumer's premises.		
6. To other items (to be specified).			7. By rents receivable .		
B.—Distribution.			8. By service connections .		
1. To proportion of salaries of engineers, superintendents and officers.			9. By miscellaneous receipts from consumers.		
2. To wages and gratuities .			10. By other items (to be specified.)		
3. To repairs, maintenance and renewals of mains.					
4. To repairs, maintenance and renewals of transformers, etc.					
5. To repairs, maintenance and renewals of meters, switches, cut-outs and other apparatus on consumer's premises.					
C.—Public lamps.					
1. To attendance and repairs.					
2. To renewals, etc. . .					
D.—Rents, rates and taxes.					
1. To rents payable . . .					
2. To rates and taxes .					
Carried over .					

Local Authorities Accounts.

No. III.—REVENUE ACCOUNT—*concld.*

DR.				CR.		
Brought forward .						
E.—Management expenses.						
1. To salaries, *viz.*—						
Engineer's Department .						
Clerical Department .						
2. To general establishment charges.						
F.—Law charges.						
To Law expenses . .						
G.—Special charges.						
To special items (to be specified).						
Total expenditure .						
Amount carried to Net Revenue Account.						
Balance carried to next account to provide for bad debts.						
Total				Total .		

Local Authorities Accounts.

No. IV.—NET REVENUE ACCOUNT.

DR.		CR.	
1. To interest on mortgage debt accrued due to date.		1. By balance from last account	
2. To instalments of principal of money borrowed.		2. By balance brought from Revenue Account (No. III).	
3. To amount transferred to Capital Account.		3. By interest on money at deposit.	
4. To amount transferred to Sinking Fund where such fund is authorised.			
5. To payments to Reserve Fund where such is authorised.			
6. To sum applied to local rate.			
7. To income-tax paid . .			
To balance carried forward .			
Total .		Total .	

No. V.—SINKING FUND ACCOUNT.

DR.	Stock.		CR.	Stock.	
1. To amount paid for purchase of (nature of investment to be specified).			1. By balance brought from last account.		
2. To stock sold during period of account.			2. By amount brought from Net Revenue Account.		
3. To amount of principal of borrowed money repaid.			3. By interest on investment.		
4. To amount of balance to next account.			4. By value of lands transferred from Account II.		
			5. By amount realized by sale of stock (nature of stock to be specified).		
			6. By stock purchased .		
Total .			Total .		

Local Authorities Accounts.

No. VI.—RESERVE FUND ACCOUNT.

DR. CR.

	Stock.			Stock.	
1. To amount paid for purchase of (nature of investment to be specified).			1. By balance brought from last account.		
2. To stock sold . .			2. By amount transferred from net revenue account.		
3. To sum transferred to revenue account.			3. By stock purchased .		
4. To amount of balance to next account.			4. By amount realized by sale of stock (nature of stock to be specified).		
Total .			Total .		

No. VII.—GENERAL BALANCE SHEET.

DR. CR.

Liabilities.		*Assets.*	
1. To capital account : Amount received as per account No. II.		1. By capital account : Amount expended for works as per account No. II.	
2. To sundry creditors . .		2. By stores on hand . .	
3. To net revenue account : Balance at credit thereof.		3. By sundry debtors for current supplied to end of the year.	
4. To sinking fund account .		4. By other debtors . .	
5. To reserve fund account .		5. By securities as held (cost price).	
6. To other items (to be specified).		6. By other items (to be specified).	
		7. By cash with treasurer .	
		8. By cash in hand . .	
Total .		Total .	

Local Authorities Accounts.

No. VIII.—STATEMENT OF ENERGY GENERATED, SOLD, ETC.

Total energy generated in Kilowatt-hours.	Kilowatt-hours sold.					Kilowatt-hours used on works.	Kilowatt-hours not accounted for.	Total Kilowatt-hours accounted for.	Kilowatts connected for public lamps.	Total consumers connected.	Total Kilowatts connected*.	Plant installed, Kilowatts.	Maximum supply demanded in Kilowatts.
	Public lamps.	By special contract*.	Consumers by meter for lighting purposes.	Consumers by meter for power purposes.	Total.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14

* Where the undertaking supplies power to tramways the units sold to the tramway should be treated as sold by "special contract". In calculating the "total kilowatts connected" the kilowatts connected exclusive of the tramway should first be ascertained; then the kilowatts connected to the tramway system should be assumed to bear the same ratio to the units used on the tramway as the remaining kilowatts connected bear to their consumption.

ANNEXURE V.

Model Form of Accounts prescribed under the Indian Electricity Act, 1910 for Companies

[SEE SECTION 11 AND RULE 36 (3).]

ELECTRIC LICENCE.

THE † COMPANY.

For the year ending 31st December 19 . / 31st March 19 .

Statement of Share Capital appropriated for the purposes of the undertaking authorised by the abovementioned licence at the end of the year.

No. I.

Description of Capital.	Authorised by.	No. of shares issued.	Nominal amount of share.	Called up per share.	Total paid up.	Issued not paid-up.	Remaining un-issued.	Total amount authorised.

Statement of Loan Capital appropriated for the purposes of the undertaking authorised by the abovementioned licence at the end of the year.

No. II.

Description of loan.	Amounts borrowed.				Remaining borrowing powers.	Total amount of borrowing powers.	
	At per cent.	At per cent.	At per cent.	Total.			

Total Share Capital Paid-up, see No. I.
Total Loan Capital Borrowed, see No. II.

Total Capital Received.

† Enter designation of Company.

Companies' Accounts.

No. III.—CAPITAL ACCOUNT.

For the year ending 31st December 19 . / 31st March 19 .

DR. CR.

—	Expenditure up to end of previous year.	Expended during the year.	Total expenditure to	—	Receipts up to end of previous year.	Received during the year.	Total receipts to
1. To preliminary expenses (to be specified).				By ordinary shares of.			
				Ditto .			
2. To lands including law charges incidental to acquisition.				By preference shares of.			
				By Debenture stock.			
3. To buildings .				By mortgages and bonds.			
4. To plant .				By amounts received in anticipation of calls.			
5. To mains .				By other receipts (to be specified).			
6. To service connections.							
7. To transformers, etc.							
8. To meters, and fees for certifying under the Act.							
9. To general stores.							
10. To special items (to be specified).							
Total expenditure							
To balance of Capital Account.							

Companies' Accounts.

No. IV.—REVENUE ACCOUNT.

For the year ending 31st December 19 . / 31st March 19 .

DR.			CR.		
A.—Generation.			1. By sale of energy for lighting purposes.		
1. To fuel . . .			2. By sale of energy for power purposes.		
2. To oil, waste, water and engine-room stores.			3. By sale of energy under special contracts.		
3. To proportion of salaries of engineers, superintendents and officers.			4. By public lighting .		
4. To wages and gratuities .			5. By rental of meters and other apparatus on consumer's premises.		
5. To repairs and maintenance as follows :—			6. By rents receivable .		
Buildings . . .			7. By transfer fees . .		
Plant . . .			8. By service connections .		
To special items (to be specified).			9. By miscellaneous receipts from consumers.		
			10. By other items (to be specified).		
B.—Distribution.					
1. To proportion of salaries of engineers, superintendents and officers.					
2. To wages and gratuities .					
3. To repairs, maintenance and renewals of mains.					
4. To repairs, maintenance and renewals of transformers, etc.					
5. To repairs, maintenance and renewals of meters, switches, cut-outs and other apparatus on consumer's premises.					

Companies' Accounts.

No. IV.—REVENUE ACCOUNT—*contd.*

DR.					CR.
C.—Public lamps.					
1. To attendance and repairs.					
2. To renewals, etc. . .					
D.—Rents, rates and taxes.					
1. To rents payable . .					
2. To rates and taxes . .					
E.—Management expenses.					
1. To Directors' remuneration.					
2. To management . .					
3. To general establishment charges.					
4. To Auditors of Company					
5. To Auditor appointed under the provisions of the Act.					
F.—Law charges.					
To law expenses .					
G.—Depreciation.					
1. To depreciation in respect of leasehold works.					
2. To depreciation in respect of buildings.					
3. To depreciation on plant .					
4. To depreciation on mains					
5. To depreciation on transformers, etc.					
6. To depreciation on meters					
7. To depreciation on general stores.					

Companies' Accounts.

No. IV.—REVENUE ACCOUNT—*contd.*

DR.					CR.
G.—Depreciation—contd.					
8. To depreciation in respect of any other items (to be specified).					
H.—Special charges.					
To special items (to be specified).					
Total expenditure .					
Balance carried to net revenue.					

V.—NET REVENUE ACCOUNT.

DR.		CR.		
1. To interest on debentures accrued due to date.		1. By balance from last account.		
2. To interest on mortgages and bonds accrued due to date.		Less dividend paid		
3. To interest on temporary loans accrued due to date.		By amount carried to Reserve Fund.		
4. To dividend on preference stock.		2. By balance brought from Revenue Account (No. IV).		
5. To Income-tax paid . .		3. By interest on money at deposit.		
6. To balance applicable to dividend on ordinary stock or shares.				

Companies' Accounts.

VI.—RESERVE FUND ACCOUNT.

DR.		CR.	
1. Amount paid out (items to be specified).		1. By balance brought from last account.	
2. Amount of balance to next account.		2. By amount brought from Net Revenue Account.	
		3. By interest on amount invested.	
		(Description of investments to be specified.)	

VII.—DEPRECIATION FUND ACCOUNT.

DR.		CR.	
To balance		1. By Balance from last account	
		2. By interest on investments .	
		3. By amount brought from Revenue Account (see No. IV-G.).	
		(Description of investments to be specified).	

Companies' Accounts.

VIII.—GENERAL BALANCE SHEET.

DR. CR.

Liabilities.		*Assets.*	
1. To capital account : amount received as per Account No. III.		1. By capital account : amount expended for works as per Account No. III.	
2. To sundry creditors due on construction of plant and machinery, fuel, stores, etc.		2. By stores on hand . .	
		3. By sundry debtors . .	
3. To sundry creditors on open accounts.		4. By preliminary expenses awaiting adjustment.	
4. To net revenue account: balance at credit thereof.		5. By securities as held (cost price).	
5. To reserve fund account: balance at credit thereof.		6. By special items (to be specified).	
6. To depreciation fund account .		7. By cash at bankers . .	
7. To special items (to be specified).		8. By cash on hand . .	
Total .		Total .	

Companies' Accounts.

No. IX.—STATEMENT OF ENERGY GENERATED, SOLD, ETC.

Total energy generated in Kilowatt-hours.	Kilowatt-hours sold.					Kilowatt-hours used on works.	Kilowatt-hours not accounted for.	Total Kilowatt-hours accounted for.	Kilowatts connected for public lamps.	Total consumers connected.	Total Kilowatts connected.*	Plant installed Kilowatts.	Maximum supply demanded in Kilowatts.
	Public lamps.	By special contract.	Consumers by meter for lighting purposes.	Consumers by meter for power purposes.	Total.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14

*Where the undertaking supplies power to tramways the units sold to the tramway should be treated as sold by "special contract". In calculating the "total Kilowatts connected" the kilowatts connected exclusive of the tramway should first be ascertained; then the kilowatts connected to the tramway system should be assumed to bear the same ratio to the units used on the tramway as the remaining kilowatts connected bear to their consumption.

ANNEXURE VI.

Form of Requisition under Clause V (4) of the Schedule to the Act.

To

Name of licensee.

* We the undersigned, being owners or occupiers of premises situated in or upon street, within the " area of supply " specified in the licence, 19 , do

† The Government of (the‡ of being charged with public lighting of street, within the area of supply specified in the licence, 19 , do

hereby require(s) you, in pursuance of clause V of the Schedule to the Indian Electricity Act, 1910, to provide, within six months of the date of this requisition, distributing mains throughout the said street§

Dated at

The day of 19 .

* In the case of six or more owners or occupiers.

† In the case of Provincial Government or a local authority.

‡ The local authority's name will have to be inserted.

§ Or such part of the street as may be specified.

ANNEXURE VII.

Form of Requisition under Clause VI (5) of the Schedule to the Act.

To

Name of licensee.

[I] hereby require you, in accordance with clause VI of the Schedule to the Indian Electricity Act, 1910, within one month or within such longer period as the Electric Inspector may allow, from the date of this requisition, to supply electrical energy for the premises owned (occupied) by me, situate within the "area of supply" specified in the

licence, 19 , for the following :—

Wiring work will be carried out by

Dated at

The day of 19 .

Signature.

NOTE.—Under clause VI (1), 1st proviso, sub-head (b), of the Schedule to the Indian Electricity Act, 1910, the licensee shall not be bound to comply with any such requisition unless and until the person making it if required by the licensee so to do, pays to the licensee the cost of so much of any service line as may be laid down or placed for the purposes of the supply upon the property in respect of which the requisition is made and of so much of any service line as it may be necessary for the said purposes to lay down or place beyond one hundred feet from the licensee's distributing main although not on that property.

ANNEXURE VIII.

Form of Order under Rule 5, Sub-rule (1).

To

licensee, non-licensee, consumer or occupier.

1. Whereas it appears to me that you have not complied with Rule of the Indian Electricity Rules, 1937 [in the following respects,* namely

you are hereby called upon to comply with the said rule on or before the......th day of .... 19.... and to report compliance in writing to me.

2. An appeal may be filed against this order under rule 5 (4) of the Indian Electricity Rules within three months of the date on which this order is received by you ; but this order must be complied with, notwithstanding such appeal, unless the appellate authority, on or before the date specified in paragraph 1 above, suspends its operation.

Dated at — Signature.

The day of 19 . — Electric Inspector,

* Particulars to be given where necessary.

ANNEXURE IX.

Form of Annual Return for Oil-fields.

(SEE RULE 97.)

This form must be correctly filled up by the owner, agent or manager, and sent to the Inspector not later than the first day of February 19 .

PART A.

Year ending 19 .

Name of Oil-field

Situation of Oil-field { **District** / **Province**

Postal address of Oil-field

Name and address of Owner

Name of Manager

Name of Under-Manager

ANNEXURE IX—*contd.*

Form of Annual Return for Oil-fields.

PART B.

Type and Horse-Power of Electrical Apparatus.

1.—System of Supply (whether direct current or alternating current).

Voltage of Supply

Periodicity (if alternating current).

Source of Supply . . .

2.—Voltage at which current is used for—

Lighting . . . .

Power . . . . .

3.—Particulars of Motors, etc., in use on the field :—

(*a*) On wells.

No. or other identifying mark of well.	Drilling or pumping.	H. P. of Motor.	No. of lamps and type.	Other electrical appliances.

(*b*) Not on wells.

H. P. of Motor.	Purpose for which used.	Identifying mark on map.

4.—Other electrical appliances, not included in item 3, in use on the field.

Appliances.	Size in K. W.	Purpose for which used.	Identifying mark on map.

ANNEXURE X.

Log Sheet for Mines and Oil-fields.

[SEE RULE 115 (5).]

Daily Log sheet for 19

1. Name of electrician in charge :—

2. Report as to :—

(*a*) Condition of the insulation of the system :—

(*b*) Specific defects of insulation (particulars of each failure of apparatus should be given) :—

(*c*) Accidents or dangerous occurrence (including any cases of electric shock and any cases of open sparking in apparatus in use in places where rule 111 applies) :—

(*d*) Examinations* of apparatus as provided by rule 115 :—

(*i*) Routine examinations as required by rule 115 (3) (i).

(*ii*) Special examinations* as required by rule 115 (3) (ii).

3. Remarks :—

Signed Electrician.

Examined by Manager.

NOTE.—This log sheet should be filled in as completely as possible. If, for instance, there are no defects of insulation to report, the word " none " should be written in the vacant space.

*** State which apparatus has been examined or tested and result.**

New Delhi, the 14th February 1938.

No. A.-805.—The following draft of certain amendments to the Indian Electricity Rules, 1937, which the Central Electricity Board proposes to make in exercise of the powers conferred by section 37 of the Indian Electricity Act, 1910 (IX of 1910), is published, as required by sub-section (*1*) of section 38 of the said Act, for the information of all persons likely to be affected thereby, and notice is hereby given that the draft will be taken into consideration on or after the 23rd May 1938.

Any objection or suggestion which may be received from any person in respect of the said draft before the date specified will be considered by the Central Electricity Board. Such objections or suggestions should be addressed to the Secretary, Central Electricity Board, Labour Department, Secretariat, New Delhi.

Draft Amendments.

1. In sub-rule (*2*) of rule 26 of the said Rules, for the words "discontinue to supply" the words "discontinue the supply of" shall be substituted.

2. In rule 47 of the said Rules, after the words "every factory" the words "and other premises" shall be inserted

3. In sub-rule (*2*) of rule 64 of the said Rules, the words "at frequent intervals" shall be omitted.

4. In rule 70 of the said Rules—

(*a*) the proviso to sub-rule (*1*) shall be omitted,

(*b*) to sub-rule (*2*), the following proviso shall be added, namely:—

"Provided that the owner may, before so altering the aerial line, require the person from whom the notice was received to deposit the estimated cost of such alteration".

5. In rule 71 of the said Rules, for the words "type of construction" the words "methods of construction" shall be substituted.

6. In sub-rule (*4*) of rule 74 of the said Rules, for the words "which crosses or is", the words "which will cross or be" shall be substituted.

7. In rule 79 of the said Rules, the words "while the lines are in use" shall be omitted.

8. In sub-rule (*1*) of rule 106 of the said Rules, the words "or, in the case of the Burma oil-fields, by the Warden of the Oil-fields", shall be omitted.

9. In rule 116 of the said Rules, the words "or, in the case of the Burma Oil-fields, from the Warden of the Oil-fields", shall be omitted.

10. In sub-paragraph (1) of paragraph 3 of Annexure III to the said Rules, for the word, figure, brackets and letter "clause 1 (*b*)" the word, figure, brackets and letter "clause 1 (*a*)" shall be substituted.

C. M. KER,
Secretary,
Central Electricity Board.

CENTRAL BOILERS BOARD.

NOTIFICATION.

New Delhi, the 16th February 1938.

No. A.-907.—The following draft of a further amendment to the Indian Boiler Regulations, 1924, which the Central Boilers Board proposes to make in exercise of the powers conferred by section 28 of the Indian Boilers Act, 1923 (V of 1923), is published, as required by sub-section (*1*) of section 31 of the said Act, for the information of all persons likely to be affected thereby, and notice is hereby given that the draft will be taken into consideration on or after the 23rd May 1938.

Any objection or suggestion which may be received from any person in respect of the said draft before the date specified will be considered by the Central Boilers Board. Such objections or suggestions should be addressed to the Secretary, Central Boilers Board, Labour Department, Secretariat, New Delhi.

Draft Amendment.

The proviso to sub-regulation (*1*) of regulation 3 of the said Regulations shall be omitted.

C. M. KER,
Secretary,
Central Boilers Board.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATION.

New Delhi, the 16th February 1938.

No. 202-An.—Mr. Manohar Lal Behl, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, reverted to his substantive grade, with effect from the forenoon of the 1st February 1938.

M. R. COBURN,
Military Accountant General.

OFFICE OF THE CONTROLLER OF BROADCASTING.

NOTIFICATION.

New Delhi, the 17th February 1938.

No. F. 3 (195)-E./37.—Mr. A. A. Advani, Station Director, All-India Radio, Lahore, is transferred to All-India Radio Station, Lucknow, with effect from the 16th January 1938 (afternoon) where he assumed charge on the 27th January 1938 (forenoon).

A. S. BOKHARI,
for Controller of Broadcasting.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on Week-days and Saturdays from 10 A.M. to 7 P.M.; Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 19th February 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATION.

Poona 5, the 10th February 1938.

No. G.-4050/P.-118.—Dr. P. K. Sen Gupta, D.Sc. (Allahabad), has been appointed as an Offg. Assistant Meteorologist, with effect from the forenoon of the 1st February 1938, in the vacancy caused by the appointment of Dr. A. K. Das as Meteorologist, and posted to the Meteorological Office, Poona, until further orders.

C. W. B. NORMAND,

Director-General of Observatories.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 9th February 1938.

No. S.-77/1.—Mr. E. B. Thompson, M.B.E., Deputy Postmaster-General, Bombay Circle, is granted leave out of India on average pay for 8 months combined with leave on half average pay for 7 days, with effect from the 3rd March 1938 or the date of his relief.

New Delhi, the 10th February 1938.

No. S.-78/17.—The following officers are confirmed in the grade of Superintendents of Post Offices and R. M. S., with effect from the date noted against each:—

1. Mr. S. C. Sengupta, Probationary Superintendent	9th August 1937.
2. Mr. B. Ganguli, Inspector of Post Offices	9th August 1937.
3. Mr. S. C. Jain, Probationary Superintendent	13th August 1937.
4. Mr. A. R. Chatterjee, Inspector of Post Offices	13th August 1937.
5. Mr. H. B. Kazi, Probationary Superintendent	19th August 1937.
6. Mr N. Chandra, Assistant, Office of the Director-General, Posts and Telegraphs	19th August 1937.
7. Mr. A. R. Khwaja, Probationary Superintendent	9th December 1937.
8. Mr. P. K. Mukherjee, Inspector of Post Offices	9th December 1937.
9. Mr. M. Dayal, Probationary Superintendent	2nd September 1937.
10. Mr. K. C. Bose, Clerk, office of the Postmaster-General, Bihar and Orissa	9th December 1937.

No. S.-177/3.—Mr. S. P. Joshi, Postmaster, Poona, is permitted to retire from service, with effect from the 22nd March 1938.

New Delhi, the 12th February 1938.

No. S.-100/7/37.—This Department Notification No. S.-100/7, dated the 6th January 1938, regarding the grant of leave to Mr. H. N. Shrivastava, B.Sc., Senior Electrical Engineer, is cancelled.

New Delhi, the 15th February 1938.

No. S.-107/2/37.—Mr. G. H. Alley, Deputy Assistant Engineer, Telegraphs, Grade B, is appointed substantively as Deputy Assistant Engineer, Telegraphs, Grade A, with effect from the 12th November 1937.

New Delhi, the 17th February 1938.

No. S.-80/9.—Mr. E. N. J. C. Byrne, officiating Postmaster, Karachi, in the grade of Rs. 700—25—800 is confirmed in that grade, with effect from the 21st August 1936.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 6th February 1938.

No. 14450-C. T./2-E./47.—Mr. F. A. Robertson, B.A. (Cantab), Income-tax Officer, Companies District II, Calcutta, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 14 days, with effect from the 2nd February, 1938. It is also certified that there is likelihood of the above officer returning to the post of the Income-tax Officer, Companies District II, Calcutta, on the expiry of his leave.

Calcutta, the 9th February 1938.

No. 14556-A./C. T./2-E./48.—Mr. A. Khan, B.A., Income-tax Officer, District IV (2), Calcutta, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 34 days, with effect from the 24th January 1938, with permission to prefix Sunday the 23rd January 1938, and to affix Sunday the 27th February 1938, to the leave. It is also certified that there is likelihood of the above officer returning to the post of the Income-tax Officer, District IV (2), Calcutta on the expiry of his leave.

S. N. BANERJEA,

Commissioner of Income-Tax, Bengal.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the persons mentioned in column 3, creditors of the debtors mentioned in column 4, on dates given in column No. 1, orders of Adjudication of insolvency were made by the High Court of Judicature at Madras on dates given in the last column against the said debtors.

Date of filing.	No. of the petition.	Name of petitioning creditors.	Name and address of the insolvent.	Date of adjudication.
2nd December 1937.	428/37	1. Seth J. D. Nichani, 2. K. Lekraj 3, Seth Lunidram Chatram.	T. J. Gopalakrishna Chetty *alias* T. J. G. K. Chetty, proprietor of G. K. Jayaram & Co. carrying on tiles business at 81, Sydenhams Road, Park Town, Madras.	3rd January 1938.
22nd December 1937.	442/37	W. S. Seshachala Gramani	T. A. Kuppuswami Gramani, Toddy shop vendor, residing at 36, Venkatesa Cathan Street, Perumalpet, Madras.	10th January 1938.
6th January 1938.	8/38	V. Kumaradeva Mudaliar	Ahmed Ali Khan, Firewood Merchant, residing at 29, Baday Sahele Street, Triplicane, Madras.	6th January 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS; The 3rd February 1938.

R. JAYARAM,

1st Asstt. Registrar.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on a petition presented by David De Silva, proprietor of the European Hair Dressing Saloon, Mount Road, Madras, residing at No. 48, Siyali Mudali Street, Pudupet, Madras, on the 26th day of January 1938, an order of adjudication of Insolvency was made by the High Court of Judicature at Madras on the 27th day of January 1938, against the said David De Silva.

Dated this 1st day of February 1938.

R. JAYARAM,
First Assistant Registrar.

HIGH COURT OF JUDICATURE AT LAHORE.

NOTIFICATION.

Lahore, the 10th February 1938.

No. 36-Genl./XVII-8.—In continuation of High Court Notification No. 330-Genl./XVII-8., dated the 22nd November 1937, the Hon'ble Judges are pleased to notify that Friday, the 11th February 1938, shall be observed as an additional holiday by the various civil courts in the Delhi Province, subordinate to the High Court of Judicature, at Lahore, on account of Id-ul-Zuha.

By order of the Judges,

S. L. SALE,
Registrar.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 8th February 1938.

No. 7.—Mr. C. A. Bradshaw, Officiating Assistant Traffic Superintendent, was granted leave on average pay for the following periods:—

From 15th July 1937 to 16th July 1937.

From 29th November 1937 to 30th November 1937.

On 11th December 1937.

On 16th December 1937.

L. W. VANSOMEREN,
Traffic Manager.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 4th February 1938.

No. 13.—Mr. B. C. Drummond, Officiating Divisional Executive Engineer, is granted leave (out of India), on average pay for 7 months, with effect from 10th March 1938, or subsequent date of relief.

No. 14.—Mr. D. M. Hambly, Officiating Divisional Personnel Officer, is granted leave (out of India), for 8 months and 3 days, *viz.*, leave on average pay for 8 months and on half average pay for the remaining period, with effect from 2nd March 1938, or subsequent date of relief.

No. 15.—Mr. J. A. W. Gillis, Junior Assistant Commercial, is granted leave on average pay for 3 months, with effect from 3rd January 1938.

2. This is in supersession of this office Notification No. 122, dated 4th November 1937.

Lahore, the 7th February 1938.

No. 16.—Mr. J. V. Stuart Edwards, Assistant Engineer, is granted leave (out of India), for eight months, *viz.*, leave on average pay for four months and on half average pay for the remaining period, with effect from 14th March 1938, or subsequent date of relief.

Lahore, the 8th February 1938.

No. 18.—Mr. J. E. Martin, Assistant Mechanical Engineer, is granted an extension of leave on average pay on medical certificate, for two days, with effect from 1st January 1938, in continuation of the leave already granted to him *vide* this office Notification No. 138, dated 7th December 1937.

Lahore, the 10th February 1938.

No. 19.—The unexpired portion of leave on average pay, *viz.*, from 30th December 1937 to 3rd March 1938, granted to Rao Sahib T. B. Chandwani, Officiating Divisional Personnel Officer, under this office Notification No. 109, dated the 1st October 1937, is hereby cancelled.

2. This is in supersession of this office Notification No. 5, dated the 18th January 1938.

C. F. CARSON,
Lt.-Col., R.E.,
Agent.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 11th February 1938.

No. 21620-S.-2083.—Mr. Anise Ahmed, Assistant Executive Engineer (Junior Scale), was granted 21 days leave on average pay from 23rd August 1937, to regularise absence on account of sickness.

L. WILSON,
Agent.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, FEBRUARY 26, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 26th February 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

February 14, 1938.

24928. C. F. K. Watson. The separation of settleable matter from a stream of fluid.

24929. L. Motley. Improvements in or relating to gun mountings particularly for machine guns and automatic rifles. (February 26, 1937).

24930. May & Baker Ld. Process for the preparation of new compounds of therapeutic value. (March 19, 1937). [Addition to No. 23216].

24931. S. E. Lofts. Improvements in or relating to closures for cans, jars or like containers.

24932. Fomento Agricola, Mercantil E Industrial, Limitada. Method of manufacturing a material for coating, wrapping, and the like.

24933. A. Boenecke. Improvements relating to the manufacture of the lids or covers of boxes, bottles or other containers.

24934. The British Tabulating Machine Co. Ld. Improvements in or relating to machines for manufacturing record cards.

24935. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to operating circuits for voltage responsive visual indicator electron discharge tubes.

24936. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to phase and frequency modulating circuit arrangements.

24937. B. Kalinowski. Improvements in or relating to floatation processes.

24938. J. Baldasar. Improvements in the manufacture of carpets and like pile fabrics.

24939. K. Singh. Wooden-cart of a new kind.

24940. Bulaki Das. An improved refuse collecting bin.

24941. M. T. Ahmad. Improvements in or relating to tube well strainers. (Divisional Date July 19, 1937).

24942. C. S. Sarkar. Improvements in or relating to means for converting reciprocating into rotary motion.

February 15.

24943. A. P. Roy and E. E. Marklew. Improved rail joint. [Addition to No. 19449].

24944. Aktiebolaget Svenska Flaktfabriken. Reversible screw propeller for fans.

24945. R. Pintus. Improvements in or relating to waistbands for trousers.

24946. S. Colla, and M. Herlitzka. Process for stimulating the formation roots and acting upon secondary meristems.

24947. The General Electric Co. Ld. Improvements in electric discharge lamps. (February 16, 1937.)

24948. Stewarts and Lloyds Ld. Improvements relating to the rolls of reducing mills and like apparatus. (February 16, 1937).

24949. R. Harcus, and R. N. Scott. Improvements in and relating to apparatus for use in well boring or drilling operations.

24950. D. J. Dalgarno. Improvements in and relating to receptacles for cigar and cigarette ends and ash.

24951. Fichtel & Sachs Aktiengesellschaft. Free-wheel hubs with a back-pedalling brake driven by a motor mounted in the driving wheel.

February 16.

24952. H. Brammer. Improvements in or relating to driving belts. (February 17, 1937).

24953. R. N. Scott and R. Harcus. Improvements in and relating to the tripping and setting of tools in well bore casings or analagous localities.

24954. A. L. McWilliam, E. L. Goodman and McLeod & Co. Ld. Improvements in or relating to the driving mechanism of tea-leaf rolling machines.

24955. B. V. Advani. Improvements in or relating to bricks, blocks, tiles or the like and to roofs or floors formed therewith.

24956. Lampen-Und Metallwarenfabriken R. Ditmar Gebruder Brunner A. G. Incandescent lamp.

24957. Lampen-Und Metallwarenfabriken R. Ditmar Gebruder Brunner A. G. Incandescent lamp.

February 17.

24958. H. H. Bakhsh. Improved band saw machine.

24959. Howard and Bullough, Ld., and A. G. Pilling. Improvements relating to underclearers and their mountings in textile spinning, doubling, twisting and like machines. (February 18, 1937).

24960. C. Jajodia. Improvements in or relating to bobbins for spinning, roving and the like machines.

24961. Schering Aktiengesellschaft. Process for the manufacture of isomer dihydrofollic hormones, analogues of the same containing less hydrogen, and their derivatives.

February 18.

24962. G. J. Fowler. Improvements in or relating to the drying of sludge on the surface of a filter mat. (March 18, 1937).

24963. I. G. Farbenindustrie Aktiengesellschaft. Process for the manufacture of pyrimidine compounds. (May 19, 1936). [Addition to No. 23847]. [Divisional Date April 2, 1937].

24964. I. G. Farbenindustrie Aktiengesellschaft. Process for the manufacture of pyrimidine compounds. (May 19, 1936). [Addition to No. 23847]. [Divisional Date April 2, 1937].

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23717. G. G. Johnston. Improved means for generating a reducing gaseous mixture *Injecting dry superheated steam into glowing bed of fuel in a fire chamber with imperforate base.*

23763. S. Arifuddin. Mechanism for raising water and other liquid by the weight of men or women. *Rope attached to the counter-weighted pump rod plunger, and to the driving wheel connected to the platform having a balancing weight at one end.*

23913. C. W. Morley. Improved process and plant for manufacturing tea. *Cutting tea after a partial wither.*

23915. T. H. Laird. Improvements in or relating to drawing rollers for spinning machinery and the like. *Annular disc making a firm solid seating on the hub being supported laterally and in a continuous manner at that side adjacent the flange.*

24218. Stewarts & Lloyds Ld. A method of producing thick-walled cup-shaped hollow metal bodies. *A piercing disc forced into the billet and allowed to remain at the bottom of the whole produced therein.*

24245. P. K. Ghose. An improved bracelet and the method of manufacturing the same. *Balls of metal or ivory fixed into a series of holes punched in the flat surface of a metal bracelet.*

24262. N. V. Montan Export. Reflector for electromagnetic oscillations. *Aerial wound as conductor about focal point of a reflecting surface of revolution and bridged by condenser.*

24342. Dr. I. David. A two-way adapter to fit syringe for Medical and Surgical and Veterinary purposes. (October 1, 1936). *T shaped adapter having one-way valves in two limbs and separate mount in the third.*

24347. H. Honnef. Improvements in and relating to wind-driven electric power plants *Rotar poles subdivided into eight electrically separated groups, within which windings of poles are in series and connected to separate sliding rings.*

24459. G. L. Mehta and C. S. Jolly. Improvements in or relating to the driving arrangements of Persian Wheels. *A whip carrying a weighted lever connected by a rope to the yoke and adapted to cause the same to hit the bullock when stopping or tending to stop.*

24548. Corning Glass Works. Improvements in and relating to the tempering of glass. *Chilling bath comprising potassium or sodium chromate or dichromate.*

24612. Dr. C. Otto & Comp. G.m.b.H. Method of heating up coke ovens. *Heating ends of oven chambers more strongly than the middle.*

24621. Society of Chemical Industry in Basle. Manufacture of new compounds containing amino- or imino-groups. *Compound containing non cyclic NH group which yields with acids no salt stable towards water with an acylating agent containing a substituent which enhances the solubility of the new product.*

24642. E. D. O. Bernier. Improvements in and relating to apparatus for tempering glass articles. *Air blowing device consisting of a chamber with a flat cover carrying a pair of lips.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each:—

23494. Callenders' Cable and Construction Co., Ld.
23503. Penny and Worthington.
23538. Libbey-Ownes-Ford Glass Co.
23566. Ercole Marelli and C., Societa, Anonima.
23576. C. C. Wakefield and Company Limited.
24080. De.
24164. Heyman.
24311. Hume Steel Ld.
24415. Gresham & Craven, Ld.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23064. Muller.
23329. Naidu.
23332. Paul.
23344. Photosculpture Ld.
23345. Photosculpture Ld.
23349. Allis-Chalmers Manufacturing Co.
23356. Imperial Chemical Industries Ld.
23380. Electric & Musical Industries Ld.
23427. Barlow and Blakeway.
23456. Lal Chand.
23469. K. S. Athalye.
23502. Marconis' Wireless Telegraph Co., Ld.
23626. Houdry Process Corporation.
23632. The Metal Box Co., Ld.
23660. Hersey.
23716. L. S. Davar & Co.

23782. Dr. W. Kochmann.
23794. Charles Twigg & Co., Ld. and Twigg.
23804. Harvey.
23814. Sidhwa and Sidhwa.
23817. Pilkington.
23820. Dr. Hugo Remmler Aktiengesellschaft.
23869. Universal Oil Products Co.
23909. Goodlass Wall & Lead Industries Ld.
23941. Henry.
23952. Carrier Corporation.
23970. Gomme.
24034. Sthyr, and Sthyr and Partners, Ld.
24056. Venkataraman and Ramachandran.
24063. Metropolitan-Vickers Electrical Co., Ld.
24078. Mehta.
24079. Mehta.
24091. Corning Glass Works.
24120. Feldspathic Research Corporation.
24161. National Carbonising Co., Ld. and Griggs.
24219. Lindmark.
24221. DetNorske Aktieselskab for Elektrokemisk Industri.
24229. Armstrong-Bentley, Ld.
24269. Heller and Foges.

Patents Sealed.

22948. Appadurai Mudaliar.
23532. Caston.
23925. Kooi.
24005. Radio Corporation of America.
24008. Photosculpture Ld.
24011. Pestarini.
24013. Radio Corporation of America.
24032. Magnani.
24083. Metropolitan-Vickers Electrical Co. Ld.
24100. International General Electric Co., Inc.
24102. Zan.
24144. Weber.
24175. Vogel-Jorgensen.
24191. The Wahl Co.
24201. Mason.
24207. de Berry.
24208. de Berry.

Amendment Proceedings.

22725. In pursuance of leave granted on the 15th February 1938, the request for amendment relating to the above numbered specification advertised in Part II of the *Gazette of India* dated the 16th October 1937 has been allowed with certain modifications in the amendments originally proposed.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

No. 19383. Atul Krishna Kundu.

Renewal Fees Paid.

PATENTS.

9098. The Elyria Iron & Steel Co. (To 12th March 1939).
9099. The Elyria Iron and Steel Co. (To 12th March 1939).
11188. Hodson. (To 24th March 1939.)
12079. Naugle. (To 22nd February 1939.)
12080. Naugle. (To 22nd February 1939.)
12699. Fasting. (To 18th March 1939).
14297. Macfarlane and anr. (To 25th April 1939).
14332. LeClair and ors. (To 30th May 1939).
14333. LeClair and ors. (To 30th May 1939).
16939. I. G. Farbenindustrie Aktiengesellschaft. (To 11th May 1939.)
17799. Saroup. (To 19th February 1939).
17869. Kooyman. (To 16th March 1939).
18015. Schering-Kahlbaum Aktiengesellschaft. (To 4th May 1939).
18133. J. Stone & Co. Ld. (To 5th July 1939).
18652. Dr. Böhm. (To 8th May 1939).
18774. (Miss) Morgan. (To 28th February 1939).
18800. Allmanna Svenska Elektriska Aktiebolaget. (To 9th March 1939).
18868. Gillette Safety Razor Co. (To 11th April 1939).
19375. Shah. (To 14th November 1938).
19383. Mukerjee. (To 14th November 1938).
19697. Socite D'Electrochimie D'Electrometallurgie et Des Acieries Electriques D'Ugine. (To 28th February 1939).
19722. Reiners. (To 13th March 1939).
19733. Vilmos Gonda. (To 18th March 1939).
19888. Vereinigte Eisenbahn-Signalwerke Gesellschaft mit beschrankter Haftung. (To 8th May 1939).
20056. Filatures Boutry-Dronlers. (To 24th February 1939).
20619. Gangooly. (To 17th February 1939.)
20625. Karanjkar. (To 19th February 1939).
20633. Ramackers. (To 21st February 1939).
20659. Altenkirch. (To 5th March 1939).
20660. Altenkirch. (To 5th March 1939).
20705. Moineau. (To 23rd March 1939).
20761. Imperial Chemical Industries Ld. (To 9th April 1939).
20992. J. Stone & Co. Ld. (To 10th July 1939).
20993. J. Stone & Co. Ld. (To 10th July 1939).
20994. J. Stone & Co. Ld. (To 10th July 1939).
21847. Roberts and ors. (To 9th May 1939).
21866. J. Stone & Co. Ld. (To 13th June 1939).

Cessation of Patents.

4969. Uberoi Ld.
16393. The Siemens and General Electric Co. Ld. and ors.
17531. Barlow and ors.
17535. Vivian and ors.
18490. Saxby & Farmer (India) Ld. and anr.
20371. Rollo.
20374. Prashad.
20376. von Platen.
20377. Robertson.
21350. Filter Tips Ld.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets:—

Class 1 No. 62967. Saxby & Farmer (India) Ld., of 17, Convent Road, Entally Calcutta. January 15, 1938.

Class 10. No. 62816. The Premier Rubber Works Ld., of 82, Colootola Street, Calcutta. December 2, 1937.

Class 13. Nos. 62940 and 62941. The Mafatlal Fine Spg. & Mfg. Co. Ld., of Navsari, Baroda State. January 11, 1938.

Class 13. Nos. 63025 and 63026. The Calico Printers' Association Ld., of St. James's Buildings, Oxford Street, Manchester, England. February 1, 1938.

Class 13. Nos. 63029 and 63030. Sha Dwarkadas Dhanji, of Mulji Jetha Market, Gaumukh Galli, Bombay 2. February 4, 1938.

Class 13. Nos. 63033 to 63035. The Bombay Dyeing & Manufacturing Co. Ld., of "Neville House", Graham Road, Ballard Estate, Bombay, British India. February 7, 1938.

Class 14. No. 63028. F. Steiner & Co. Ld., of Church, Lancashire, England. February 2, 1938.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). .	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

New Delhi, the 21st February 1938.

The following is a statement of the cash balances of the Central and the Provincial Governments on the last day of January 1938 :—

	Rs.
(1) At the Reserve Bank of India in India	10,17,34,000
(2) At treasuries in India . .	1,17,73,000
(3) In England (Sterling converted at 18*d*. the Rupee) . .	73,66,000
TOTAL .	12,08,73,000

P. G. SHAH,

Accountant General, Central Revenues.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for November 1937.

(In lakhs of Rupees.)

	For November.		To end of November.		Whole year.	
	1936-37.	1937-38.	1936-37.	1937-38.	Revised, 1936-37.	Budget, 1937-38.
Revenue.						
Customs	} 4,34	4,33	} 31,50	29,34	} 47,07	[illegible]
Central Excise Duties		81		5,39		[illegible]
Corporation Tax	} 1,41	1	} 7,33	30	} 13,92	[illegible]
TAXES on Income other than Corporation Tax		1,18		7,48		[illegible]
Salt	78	70	5,49	5,46	8,41	[illegible]
Opium	1	4	37	40	47	[illegible]
Railways—						
Gross receipts	7,73	8,13	60,63	64,52	96,70	[illegible]
Deduct—Working Expenses	*5,01*	*5,04*	*41,99*	*42,54*	*63,82*	[illegible]
Surplus Profits	*3*	*3*	*36*	*47*	*42*	[illegible]
Payments to Worked Lines	*22*	*23*	*1,78*	*1,86*	*2,97*	[illegible]
Net receipts	2,47	2,83	16,50	19,65	29,49	[illegible]
Subsidised Companies	4	..	7	6	18	[illegible]
Miscellaneous Railway Receipts			7	10	91	[illegible]
Posts and Telegraphs—Net receipts	6	7	4	26	82	[illegible]
Other heads	27	44	2,44	2,22	5,43	[illegible]
Total	9,38	10,41	63,73	70,66	1,06,70	[illegible]
Expenditure.						
Railway Revenue Account—						
Interest and other charges	18	25	9,25	9,21	30,24	[illegible]
Interest on Debt—Gross	3,12	3,29	25,93	25,70	35,71	[illegible]
Deduct—Amount chargeable to—						
Railways	*14*	*16*	*8,18*	*8,08*	*28,22*	[illegible]
Irrigation	..	..	..	..	*2*	
Posts and Telegraphs	..	..	..	..	*79*	[illegible]
Salt and other Commercial Departments	..	..	..	..	*8*	
Provincial Loans Fund	..	..	..	..	*7,97*	..
Provincial Governments	..	..	..	*97*	..	[illegible]
Net charges	2,98	3,13	17,75	16,65	—1,37	[illegible]
Defence Services (Net)	4,05	4,38	27,75	30,78	44,62	[illegible]
Other heads	1,78	2,23	16,48	18,46	40,19	[illegible]
Total	8,99	9,99	71,23	75,10	1,13 68	[illegible]
Expenditure not charged to Revenue	17	10	3,38	4,23	3,29	[illegible]
Debt Heads—						
Permanent Debt (Net) India	—1	..	+11,74	—12	+11,70	[illegible]
Ditto England	..	—3,40	—24,50	—5,93	—25,24	[illegible]
Treasury Bills (Net) India	—34	+76	+10,37	+10,67	—2,44	[illegible]
Ditto England	..	..	..	..	..	..
Ways and Means Advances (Net) India	..	+1,00	..	+1,00	..	..
Ditto England	..	..	..	..	..	..
Provincial Transactions (Net)	—3,21	..	—10,78	..	—4,35	[illegible]
Other Debt Head Transactions (Net)	+1,59	+1,99	+14,15	+45	+27,15	[illegible]
Total	—1,97	+35	+98	+6,07	+6,82	[illegible]
Total Transactions	—1,75	+67	—9,90	—2,60	—3,45	[illegible]
Revenue less expenditure in Burma not included in the figures in columns 1936-37.	+39	..	+3,60	..	+5,06	..
Opening Balance	10,33	5,36	15,27	8,63	15,27	[illegible]
Closing Balance	8,97	6,03	8,97	6,03	16,88	[illegible]

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England and India respectively cancel each other.

NEW DELHI;

Dated the 17th February 1938.

P. G. SHAH,

Accountant General, Central Revenues.

RESERVE BANK OF INDIA, CALCUTTA.

NOTIFICATION.

Calcutta, the 19th February 1938.

In pursuance of Rules 19 and 32 of the Rules made by the Government of India under section 24 of the Indian Securities Act, X of 1920, and published in the *Gazette of India* of the 2nd March, 1935, as subsequently amended by the Central Government, Finance Department Notification No. D-7791-F, dated the 4th November 1937 published in the *Gazette of India* dated the 6th November 1937, the following list is hereby advertised of Securities lost, etc., in respect of which *prima facie* grounds exist for believing that the securities have been lost and that the claim of the applicants is just. All persons, other than the respective claimants named below, who have any claim upon these securities, should communicate immediately with the Manager, Reserve Bank of India, Calcutta.

The list is divided into two parts:—Part A being the list of securities now advertised for the first time, and Part B the list of securities previously advertised.

N. B.—Under section 18 of the said Act Government will be discharged from all liability in respect of these original securities after the lapse of six years from (*a*) the several dates stated against them in the last column of the list, or (*b*) the last payment of interest on them, whichever date is later.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	Date of orders issued.
		A			
		Three per cent., 1896-97.			
	Rs.				
105987	8,800	Benimadhab Chaki	31st Dec. 1935	Benimadhab Chaki	Dated 13-12-37. I/1345.
110407	4,000	Ditto	Ditto	Ditto	Ditto.
110516	10,000	Ditto	Ditto	Ditto	Ditto.
111659	5,000	Ditto	31st Dec. 1934	Ditto	Ditto.
112327	300	Probodh Chandra Chatterjee and Subodh Chandra Chatterjee.	31st Dec. 1933	Sm. Pankaj Bala Debi	Dated 7-10-37. I/1338.
113985	500	Asha Kumari Debi and Santi Kumari Debi or either of them.	Ditto	Asha Kumari Debi and Santi Kumari Debi.	Dated 9-11-37. I/1317.
		Three and half per cent., 1854-55.			
253657	1,000	Hary Dass Banerjee	31st Dec. 1936	Hary Dass Banerjee	Dated 10-12-37. I/1358.
253838	500	Laksmi Moni Dasi	Ditto	Sm. Laksmi Moni Dasi	Dated 9-11-37. I/1359.
		Three and half per cent., 1865.			
3140268	10,000	The Imperial Bank of India	1st Nov. 1935	Behramji Sorabji Lalkaka, Barjor Hoshangji Vakil, Jehangir Rustom Vakil, Erach Sorabji Lalkaka and Jamshed Dorabsha Kothawala.	Dated 14-12-37. I/1369.
94318	300	Ram Nihora Rai	1st May 1924	Ram Nihora Rai	Dated 2-11-37. I/880.
40789/90	500 each.	Bejoy Krishna Bondopadhyaya.	1st May 1934	Nalini Kanta Banerjee, Niladri Kanta Banerjee and Himadri Kanta Banerjee.	Dated 2-8-37. I/1297.
44724	500	Gillanders Arbuthnot & Co.	1st Nov. 1924	Mrigendra Nath Bose	Dated 2-9-37. I/900.
45868	1,500	Tareney Charan Chatterjee	1st Nov. 1932	Nemai Charan Laha	Dated 13-9-37. I/1333.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	Date of orders issued.
	Rs.	**Three and half per cent., 1900-01.**			
B190141	1,000	The Imperial Bank of India	31st Dec. 1935	Behramji Sorabji Lalkaka, Barjor Hoshangji Vakil, Jehangir Rustom Vakil, Erach Sorabji Lalkaka and Jamshed Dorabsha Kothawala.	Dated 14-12-37. I/1369.
B206378	1,000	Behramji Sorabji Lalkaka, Barjor Hoshangji Vakil, Jehangir Rustom Vakil, Erach Sorabji Lalkaka and Jamshed Dorabsha Kothawala.	Ditto	Ditto	Ditto.
239525	100	Ram Nihora Rai	30th June 1924	Ram Nihora Rai	Dated 2-9-37. I/880.
**292266	1,000	Ashutosh Chatterjee	30th June 1932	Nemai Charan Laha	Dated 13-9-37. I/1333.
341443	600	E. C. Dickinson	31st Dec. 1935	Mrs. Kathleen Maude Winckler	Dated 10-11-37. I/1301.
**357092	1,000	Nemai Charan Laha	31st Dec. 1934	Nemai Charan Laha	Dated 13-9-37. I/1333.
**361176/77	1,000 each.	Tarapada Sarkar	30th June 1935	Tarapada Sarkar	Dated 6-10-37. I/1315.
376540	1,000	Ashutosh Mullick	31st Dec. 1934	Ashutosh Mullick	Dated 6-10-37. I/1342.
383073	100	Laksmi Moni Dasi	31st Dec. 1936	Sm. Laksmi Moni Dasi	Dated 9-11-37. I/1359.
**386964/65	1,000 each.	Nemai Charan Laha	31st Dec. 1934	Nemai Charan Laha	Dated 13-9-37. I/1333.
394181	500	Mengh Raj	30th June 1936	Mengh Raj	Dated 29-9-37. I/1312.
		Four per cent., 1960-70.			
F018965 BY000424	500	Imperial Bank of India	15th Sep. 1936	C. N. Contractor and Manekji Nusserwanji Contractor or either of them.	Dated 17-9-37. I/1367.
*M004404 MS007751	20,00,000	The Deputy Chief Secretary, Ceylon, The Registrar General, Ceylon and The Postmaster General, Ceylon.	15th Mar. 1937	The Deputy Chief Secretary, Ceylon, The Registrar General, Ceylon and The Postmaster General, Ceylon.	Dated 2-9-37. I/1366.
		Five per cent., 1939-44.			
F003147	500	The Imperial Bank of India	15th Jan. 1936	Mrs. Kathleen Maude Winckler	Dated 10-11-37. I/1301.
***G000664	1,000	Ditto	Ditto	The Deputy Commissioner, Sagaing (President, Hospital Committee, Sagaing).	Dated 15-1-38. I/1308.
***G012815	1,000	Ditto	Ditto	Ditto	Ditto.
***G012847	1,000	Ditto	Ditto	Ditto	Ditto.
H001932	5,000	Ditto	Ditto	Mrs. Kathleen Maude Winckler	Dated 10-11-37. I/1301.
***002976	500	Ditto	Ditto	The Deputy Commissioner, Sagaing (President, Hospital Committee, Sagaing).	Dated 15-1-38. I/1308.

* Half Note—Duplicate issued without usual formalities.
** Partially Destroyed Note—Issue of duplicate authorised.
*** Half Note—Issue of duplicate authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	Date of orders issued.
	Rs.	**Five per cent., 1945-55.**			
B117702	200	Behramji Sorabji Lalkaka, Barjor Hoshangji Vakil, Jehangir Rustom Vakil, Erach Sorabji Lalkaka and Jamshed Dorabsha Kothawala.	15th Oct. 1935	Behramji Sorabji Lalkaka, Barjor Hoshangji Vakil, Jehangir Rustom Vakil, Erach Sorabji Lalkaka and Jamshed Dorabsha Kothawala.	Dated 14-12-37. I/1369.
053294	10,000	Mrinal Kanti Ghosh, Kumar Kanti Ghosh and minors Tarun Kanti Ghosh and Amiya Kanti Ghosh through their guardian mother Gopangana Dassi.	Ditto	Mrinal Kanti Ghosh, Kumar Kanti Ghosh and minors Tarun Kanti Ghosh and Amiya Kanti Ghosh through their guardian mother Gopangana Dassi.	Dated 9-11-37. I/1304.
		Five and half per cent., 1920.			
086173	200	Ma Htu	15th Aug. 1917	Ma Pwa Chi, Ma Thu Sanda and Maung Mya Yin.	Dated 6-10-37. I/638.
		Five and half per cent., 1921.			
***C006128	50	The Accountant General, Posts and Telegraphs.	15th Sep. 1918	Jitendra Chandra Shome	Dated 8-1-38. I/512.
D034249	100	The Accountant General, Punjab.	Ditto	Karimullah and Ghulam Mohammad.	Dated 20-8-37. I/1163.
E016603	200	Ditto	Ditto	Ditto	Ditto.
		Five and half per cent., 1922.			
16401	100	Gurdas	15th Aug. 1921	Gurdas Ram	Dated 8-1-38. I/541.
		Five and half per cent., 1928.			
**C001462	50	The Accountant General, Posts and Telegraphs.	15th Mar. 1919	Jitendra Chandra Shome	Dated 8-1-38. I/512.
004345	200	Ditto	15th Sep. 1923	Nirmal Mohan Roy Chowdhury	Dated 7-1-38. I/1270.
		Six and half per cent., 1935.			
01600	100	The Imperial Bank of India	15th Mar. 1933	Naraindas Dwarkadas and Umribai as guardian of the minors Kishinchand, Gobindram Hariram and Ghanshamdas.	Dated 7-1-38. I/1264.
03797	500	Ditto	Ditto	Ditto	Ditto.
03233/36	1,000 each.	Ditto	15th Mar. 1934	Attar Chand	Dated 7-1-38. I/1289.

*** Half Note—Issue of duplicate authorised.

B

Three per cent., 1896-97.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A / D/2241-F., dated 3-7-20 / 18-2-35.	Date of publi- tion under X of 192 list in which Security w first menti
	Rs.					
**B011063/65	500 each.	Sangli Bank, Ltd.	June 30, 1933	Querobine Natividade Fernandes and Caetano Braz Fernandes or either of them.	Dt-7-1-37 I/1323.	Feb. 27, 19
**B011431	500	Querobine Natividade Fernandes or Caetano Braz Fernandes.	Ditto	Ditto	Ditto	Ditto.
018699	1,000	Nawab Ahsunollah	June 30, 1921	The Chief Manager, Dacca Nawab Estate.	Dated 29-9-36 I/730.	Ditto.
018700	500	Ditto	Ditto	Ditto	Ditto	Ditto.
025114	500	The Bank of Bengal	Dec. 31, 1897	Gouree Dutt Heera Laul.	Dt-1126/884, dated 13-1-05.	Feb. 6, 19
066868	1,000	Ditto	Dec. 31, 1910	Ram Nath	Dt-1679, dated 27-6-33	Aug. 5, 19
066870	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
077488	100	Ditto	Dec. 31, 1919	Bhupendra Nath Mitra.	Dt-2461, dated 31-8-33	Feb. 10, 19
*080411	500	Ditto	Dec. 31, 1917	Panna Lall & Sons	Dt-1259/164—32, dated 11-5-33.	Aug. 5, 19
083360	100	Mizaji Lal	June 30, 1921	Manohar Lal	Dt-2659, dated 24-11-34.	Mar. 16, 19
089197	100	Meeri Mal	Dec. 31, 1925	Dina Nath	Dt-94/126—33, dated 12-1-33.	Feb. 18, 19
091117	800	Horri Preea Dassi	June 30, 1921	Dhirendra Krishna Deb.	Dt-402, dated 26-2-35 I/1172.	Aug. 17, 19
091701	100	Prosad Das Boral & Bros.	Dec. 31, 1923	Shiv Shankar Bhargava.	Dt-2908, dated 13-10-33	Feb. 10, 19
091703	100	Ditto	Ditto	Ditto	Ditto	Ditto.
092090	500	Bama Sundary Dabi	June 30, 1925	Sm. Radha-rani Debi	Dated 25-5-37 I/1325.	Aug. 28, 19
092217	100	Prosad Das Boral & Bros.	June 30, 1923	Mohamed Yusuf	Dt-239/161—27, dated 4-2-27.	Aug. 6, 19
093342/43	100 each.	Mizaji Lal	June 30, 1921	Manohar Lal	Dt-2659, dated 24-11-34.	Mar. 16, 19
093499	500	Nagendra Nath Banerji	June 30, 1927	Robindra Nath Banerji, Amarendra Nath Banerji, Atindra Nath Banerji, minors under the guardianship of Kiran Shashi Devi.	Dt-2591, dated 10-11-34	Ditto.
094683	500	The Controller of the Currency.	Dec. 31, 1924	The Superintending Engineer, Upper Bari Doab Canal, Amritsar.	Dated 2-1-36 I/1026.	Mar. 9, 19
=095622	1,000	The Imperial Bank of India.	Dec. 31, 1922	The Chief Accounts Officer, G. I. P. Railway.	Dt-2040, dated 9-9-34	Mar. 16, 19
097507	500	Manindra Nath Bose and Hemendra Nath Bose.	Dec. 31, 1928	Manindra Nath Bose and Hemendra Nath Bose.	Dt-613, dated 14-3-34	Oct. 27, 19

* Full Note—Duplicate issued without usual formalities.
= Half Note—Duplicate issued.
** Partially destroyed notes—Issue of duplicates authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A/D/2241-F. dated 3-7-20/18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
		Three per cent., 1896-97—*contd.*				
	Rs.					
097571	100	The Controller of the Currency.	June 30, 1924	Matabadal Singh	Dt-1381/163—32, dated 7-6-32.	Aug. 13, 1932.
097585	100	Ditto	Dec. 31, 1924	S. Sajjad Husain	Dt-965, dated 3-4-33	Aug. 5, 1933.
098903	1,000	S. Ali Hossan	Dec. 31, 1923	Syed Ali Haidar and Mustt. Sabra Khatoon.	Dated 24-4-35 I/1192.	Aug. 17, 1935.
099046	1,000	The Imperial Bank of India.	Ditto	Messrs. Ramannah Poolliah and Sons.	Dt-1181, dated 30-5-34	Oct. 27, 1934.
099774	500	Dhian Singh	Dec. 31, 1924	Dhian Singh	Dt-3566, dated 25-11-31.	Feb. 6, 1932.
103717-18	500 each.	Turner Morrison & Co., Ltd.	Dec. 31, 1926	Turner Morrison & Co., Ltd.	Dt-3289, dated 22-11-33.	Feb. 10, 1934.
105642	1,000	Kedar Nath Mukherjee	Dec. 31, 1933	Kedar Nath Mukherjee	Dated 26-6-1935 I/1202.	Aug. 17, 1935.
[illegible]99	1,000	The Controller, Military Accounts, Lahore District.	June 30, 1930	Sh. Moula Bux, Faqir Mohammad.	Dt-2070/177—32, dated 17-8-32.	Feb. 18, 1933.
108143	500	The Imperial Bank of India.	Ditto	Ditto	Ditto	Ditto.
109228	2,300	Abdul Ghani	June 30, 1930	Abdul Ghani	Dt-3001, dated 7-10-31	Feb. 6, 1932.
**112314	200	Abdul Majid	June 30, 1932	Chaudhri Abdul Majid.	Dated 7-10-36 I/1119.	Feb. 27, 1937.
*113191/99	1,000 each.	The Deputy Controller of the Currency, Rangoon.	Dec. 31, 1933	Reed Ward & Co.	Dt-1957, dated 29-8-34.	Mar. 16, 1935.
		Three per cent., 1941.				
D000416/26	100 each.	The Imperial Bank of India.	Sep. 15, 1934	Shankar Ranoji Jadhav.	Dated 5-12-35 I/1231.	Mar. 9, 1936.
		Three and half per cent., 1842-43.				
12583	100	H. Wadham	Feb. 1, 1905	Temooljee Sorabjee	Dt-789, dated 5-4-34	Oct. 27, 1934.
*B028393	1,000	The National Bank of India, Ltd.	Aug. 1, 1906.	Abdul Kader	Dt-333, dated 18-2-30	Aug. 2, 1930.
B074176/77	1,000 each.	Gangubai Krishnarao Kirtikar.	Feb. 1, 1934	Gangubai Krishnarao Kirtikar.	Dt-448, dated 5-3-1935 I/1190.	Aug. 17, 1935.
M000469	500	C. R. Cohindavaloo Moodaliar.	Aug. 1, 1900	Appaji Appah	Dated 18-4-1935 I/133.	Aug. 17, 1935.
M003788	1,000	The Accountant General, High Court, Madras.	Ditto	Ditto		
*035151	500	The Bank of Bengal	Feb. 1, 1900.	Raj Narain	Dt-2459, dated 23-9-32	Feb. 18, 1933.
*065643-44	500 each.	Surendra Nath Gupta	Aug. 1, 1908	The Public Trustee, Kingsway, London.	Dt-723, dated 24-3-34	Oct. 27, 1934.
078147	500	Bromhomoyee Dassi	Feb. 1, 1905.	Bromhomoyee Dassi	Dt-975/1025, dated 22-1-09.	Aug. 14, 1909.
087898	1,000	Damodar Ragoonath Kirkire.	Aug. 1, 1909.	Govind Sadasheo Chaskar, Krishnabai Manake and Kesheo Sadasheo Chaskar.	Dt-1065/70—13, dated 12-8-13.	Feb. 21, 1914.

* Half Notes—Duplicates issued.
** Half Note—Issue of duplicate authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A / D./2241-F., dated 3-7-20 / 18-2-35.	Date of p[illegible] tion und[illegible] X of 19[illegible] in whi[illegible] Securit[illegible] first me[illegible]
		Three and half per cent., 1842-43—*contd.*				
	Rs.					
111355	1,500	Kooramoney Dassee, Executrix to the estate of Greesh Chunder Paul, deceased.	Feb. 1, 1916.	Satyendra Kumar Bose, Receiver.	Dt-1539, dated 23-6-31.	Aug. 1, [illegible]
133135/37	1,000 each.	The Bank of Bengal	Aug. 1, 1918	Raghubir Sahai	Dated 13-6-1935 I/1164.	Aug. 17, [illegible]
133351	10,000	The Deputy Commissioner, Peshawar.	Aug. 1, 1919.	Abdul Rahman Khan	Dt-556/139—32, dated 23-2-32.	Aug. 13, [illegible]
139632	1,000	Kooramoney Dassee, Executrix to the estate of Greesh Chunder Paul, deceased.	Feb. 1, 1916.	Satyendra Kumar Bose, Receiver.	Dt-1539, dated 23-6-31.	Aug. 1, [illegible]
139633	2,000	Ditto	Ditto	Ditto	Ditto	Ditto.
142430	500	Ditto	Ditto	Ditto	Ditto	Ditto.
148205	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
154994	1,000	Girish Chander Dey (since deceased).	Feb. 1, 1919	Surendra Nath Dey	Dated 30-9-35 I/1201.	Mar. 9, [illegible]
156098-102	100 each.	Waman Shankar Despande.	Ditto	Yogiraj Kaniram Marwadi.	Dt-2458, dated 23-9-32.	Feb. 18, [illegible]
156103-104	500 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
157901	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
157902	500	Ditto	Ditto	Ditto	Ditto	Ditto.
157903	100	Ditto	Ditto	Ditto	Ditto	Ditto.
164566	1,000	Debi Prasad and Mata Prasad.	Feb. 1, 1924	Debi Prasad and Mata Prasad.	Dt-1004, dated 8-5-34.	Oct. 27, [illegible]
164752	1,000	Bejoy Gopal Banerjee and Benoy Gopal Banerjee, minors (under the guardianship of Shantashila Debya).	Ditto	Bijoy Gopal Bandopadhya and Sarajini Debi.	Dt-3483, dated 14-12-33.	Feb. 10, [illegible]
164753	600					
**166105.	2,000	Taraprasanna Guha	Feb. 1, 1924	Taraprasanna Guha	Dt-146, dated 22-1-35 I/1169.	Aug. 17, [illegible]
168013	1,000	Bai Hari	Feb. 1, 1925.	Bai Hari	Dt-3338, dated 22-12-32.	Feb. 18, [illegible]
169308	500	Nocool Chandra Chatterjee.	Feb. 1, 1919.	Nabo Kumar Chatterjee (with powers limited to drawal of interest only).	Dt-2016/175—32, dated 13-8-32.	Ditto.
172876	500	Surja Kanto Basak	Feb. 1, 1928	Ajit Kumar Banerjee and Ranjit Kumar Banerjee, minors, through their guardian Durga Prosad Banerjee.	Dt-724, dated 24-3-34.	Oct. 27, [illegible]
173263	3,000	Harry Balla Dabee	Aug. 1, 1923.	Jnanendra Nath Deb Roy.	Dated 8-4-37 I/1038.	Aug. 2[illegible]
174840	1,000	Kashi Nath Mitra	Aug. 1, 1927.	Makhan Lal Modak.	Dt-614/98—30, dated 1-3-32.	Aug. 1[illegible]

**Half Note—Issue of duplicate authorised.

Three and half per cent., 1842-43—*concld.*

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A/D./2241-F., dated 3-7-20/18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
	Rs.					
181426	500	The Imperial Bank of India.	Aug. 1, 1930	Dijesh Chunder Chuckerbotty.	Dt-2129/180—32, dated 23-8-32.	Feb. 18, 1933.
183833	2,000	P. L. Bhargava	Feb. 1, 1928.	The Deputy Commissioner, Chhindwara.	Dt-639, dated 16-3-34	Oct. 27, 1934.
188116	500	Monorama Debi	Aug. 1, 1927	Ajit Kumar Banerjee and Ranjit Kumar Banerjee, minors, through their guardian Durga Prosad Banerjee.	Dt-724, dated 24-3-34.	Ditto.
190444	1,000	The Imperial Bank of India.	Feb. 1, 1924	A. Chandler	Dated 15-7-37 I/720.	Aug. 28, 1937.
190819	5,000	Ditto.	Feb. 1, 1925.	The President, Municipal Committee, Maubin.	Dt-2402, dated 26-8-33.	Feb. 10, 1934.
[illegible]1450	1,000	Azizur Rahman	Aug. 1, 1930.	Anantoram Dey	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932.
193141	5,000	Mohammed Asghar Khan	Aug. 1, 1933.	Mohummad Asghar Khan.	Dt-2559, dated 3-11-34	Mar. 16, 1935.
199641	500	The Imperial Bank of India.	Aug. 1, 1930.	Anantoram Dey	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932.
199775	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
199776-77	1,000 each.	Ditto	Ditto	Anantoram Dey and Tarapada Dey or either.	Dt-891/149—32, dated 4-4-32.	Ditto.
201984	600	The Accountant General, Posts and Telegraphs.	1st Aug. 1933	Rasidunnisa Begum, minor, under the guardianship of Hameedunnisa Begum.	Dated 24-4-36 I/1208.	Aug. 29, 1936.
202500	2,000	Sarojini Dabee	Feb. 1, 1932	Sarojini Dabee	Dt-271, dated 3-2-34	Oct. 27, 1934.
203465	1,000	P. C. Datta	Aug. 1, 1930.	Anantoram Dey	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932.
203672-74	100 each.	The Imperial Bank of India.	Aug. 1, 1931.	Sashi Bhusan Basu	Dt-3174, dated 8-11-33	Feb. 10, 1934.
[illegible]103	500					
204222	600	The Controller of the Currency and the Secretary and Treasurer, Imperial Bank of India.	Feb. 1, 1929	Ajoy Nath Mitter and Asoke Nath Mitter.	Dated 1-11-35 I/913.	Mar. 9, 1936.
204616	1,000	Prio Nath Banerjee	Aug. 1, 1930.	Tarapada Day	Dt-945/152—32, dated 9-4-32.	Aug. 13, 1932.
206898	500	Sarojendra Krishna Deb	Feb. 1, 1930.	Sarojendra Krishna Deb.	Dt-3087, dated 13-10-31	Feb. 6, 1932.
207513/14	1,000 each.	Kali Kinkar Gupta	Feb. 1, 1935	Norendra Krishna Dutt.	Dated 16-12-35 I/1216.	Mar. 9, 1936.
210337/38	100 each.	Basudeva Sahai Bhargava, Parmeshwar Saran Bhargava and the minor Krishan Prasad through his guardian Rai Radha Raman Bhargava Bahadur.	Ditto	Krishna Prasad Bhargava.	Dated 4-3-36 I/1232.	Aug. 29, 1936.
218123/25	100 each.	Monmotho Nath Dutt	Feb. 1, 1934	Pasupati Mukerjee	Dated 8-10-35 I/1215.	Mar. 9, 1936.
220690	10,000	The Allahabad Bank, Ltd.	1st Aug. 1935	Messrs. Gulraj Jaidayal.	Dated 11-6-36 I/1248.	Aug. 29, 1936.
222050	1,000	Girdhari Lal Dhand	Ditto	Girdhari Lal Dhand	Dated 30-3-36 I/1247.	Ditto.

Three and half per cent., 1854-55.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A / D/2241-F., dated 3-7-20 / 18-2-35.	Date of publication under Act X of 1920 of list in which Security was first mentioned.
B010043	Rs. 5,000	The Mercantile Bank of India, Ltd.	June 30, 1904	Shambhuprasad Hariprasad, Dulerai Hariprasad, Shankarprasad Hariprasad and Navnidhrai Hariprasad.	Dt-377/134—32, dated 5-2-32.	Aug. 13, 19[illegible]
*B016295	100	Burjorjee Nanabhoy Davur.	Dec. 31, 1904	Temooljee Sorabjee	Dt-789, dated 5-4-34	Oct. 27, 19[illegible]
B042629	1,000	Pestonji Dhanji Bhoy Markar.	Dec. 31, 1914	Seth Kodarlal Punjalal.	Dt-720, dated 23-3-31	Aug. 1, 19[illegible]
B052684	1,000	The Bank of Bombay	Ditto.	Ditto.	Ditto.	Ditto.
B057974-76	1,000 each.	The Central Bank of India, Ltd.	Ditto.	Ditto.	Ditto.	Ditto.
B080718	500	Shankar Dattatraya Javadekar.	June 30, 1928	Dattatraya Jagannath Javadekar.	Dated 19-7-35 I-1210.	Aug. 17, 19[illegible]
B091293	5,000	Ganpatrao Shankarrao Darekar.	Dec. 31, 1925	Ganpatrao Shankarrao Darekar.	Dt-996, dated 7-5-34	Oct. 27, 19[illegible]
B091294	2,000					
B091295/97	500 each.					
B096189/90	100 each.	Pestonjee Byramjee Press, Khorshedbai Pestonjee Press, Pherozeshah, J. Marzban and Jehangir Pestonjee Press or any one of them.	Dec. 31, 1934	Hermogenes Fidelis Furtado.	Dated 19-12-35 I/1234.	Mar. 9, 19[illegible]
***B098502	5,000	Vajiram Manibhai or Biharilal Vajiram.	Dec. 31, 1933	Vaikunthlal Vajiram and Chhotigaori Vajiram or either of them.	Dated 11-12-35 I/1235.	Ditto.
B106943	500	The Imperial Bank of India.	June 30, 1932	Brij Bhushan Lal	Dt-2179, dated 10-8-33	Feb. 10, 19[illegible]
B108095	1,000	The Bank of India, Ltd.	Ditto.	Ditto	Ditto	Ditto.
B119094	10,000	Kamlavati Purshotamdas Munguldas.	Dec. 31, 1932	Gordhandas T. Mangaldas, Ishwardas Jagmohandas Mangaldas, Kisondas Jagmohandas Mangaldas and Khushaldas K. Parekh.	Dated 1-3-37 I/1332.	Aug. 28, 19[illegible]
B124074/75	5,000 each.	Vaikunthlal Vajiram and Chhotigaori Vajiram or either of them.	Dec. 31, 1933	Vaikunthlal Vajiram and Chhotigaori Vajiram or either of them.	Dated 10-12-35 I/1220.	Mar. 9, 19[illegible]
002171	1,000	Braja Behary Shome	Dec. 31, 1898	Benode Behary Shome.	Dt.-1341/873, dated 26-2-04.	Aug. 20, [illegible]
062445	500	The Bank of Bengal	Dec. 31, 1909	Bimal Chandra Mitra and Sailendra Nath Mitra.	Dt-2031, dated 6-9-34	Mar. 16, [illegible]
075328	500	Prosad Das Boral & Bros.	June 30, 1902	Lalit Mohan Dey	Dated 26-6-35 I/1195.	Aug. 17, [illegible]
078942	5,000	P. G. & W. Sawoo	June 30, 1903	Radha Kanta Sen, as Manager to the estate of Sarba Sundari Dassi, lunatic (with powers limited to drawal of interest.)	Dt-353/241—23, dated 21-2-28.	Aug. 4, [illegible]
**143952	2,000	Horo Gobind Mookherjee	June 30, 1918	Amaresh Chandra Mukherjee.	Dated 9-7-36 I/1265.	Aug. [illegible]

* Half Note—Duplicate issued.
** Half Note—Issue of duplicate authorised.
*** Partially destroyed Note—Duplicate issued.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A / D/2241-F., dated 3-7-20 / 18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
		Three and half per cent., 1854-55—*contd.*				
	Rs.					
151140 . .	200	The Accountant-General, Posts and Telegraphs.	June 30, 1913	Heramba Chandra Maitra.	Dt-40, dated 5-1-32 .	Feb. 6, 1932.
*161218 . .	5,000	The Bank of Bengal .	June 30, 1919	Pooran Lall . .	Dt-3392, dated 4-12-33.	Feb. 10, 1934.
162051 .	100	N. Vadamma . .	June 30, 1924	N. Vadamma .	Dt-3, dated 2-1-34	Ditto.
164001 . .	2,000	Prosad Das Boral & Bros.	June 30, 1926	Rakhal Dasi Debia .	Dt-1690/191—31, dated 10-7-31.	Aug. 1, 1931.
167950 . .	1,000	Waman Shankar Deshpande.	Dec. 31, 1918	Yogiraj Kaniram Marwadi.	Dt-2458, dated 23-9-32 .	Feb. 18, 1933.
170629 . .	100	Ditto .	Ditto .	Ditto .	Ditto .	Ditto.
[illegible]83/84 .	500 each.	Balkrishna Narayan Chitale and Vishwanath Narayan Sathe, Extrs. of R. Mahadik.	Dec. 31, 1925	Ganpatrao Shankarrao Darekar.	Dt-996, dated 7-5-34 .	Oct. 27, 1934.
=183113. .	1,000	Taraprasanna Guha .	Dec. 31, 1923	Taraprasanna Guha	Dt-146, dated 22-1-35 I/1169.	Aug. 17, 1935.
187824	500	Nocool Chandra Chatterji	Dec. 31, 1918	Nabo Kumar Chatterjee (with powers to draw interest only).	Dt-2016/17—32, dated 13-8-32.	Feb. 18, 1933.
188120 . .	500	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.
191838-39 .	500 each.	Anandjee Dayal, Executor to the estate of Rowji Bhimji.	Dec. 31, 1923	Jamnadas Anandji, Mathradas Thakersay and Sunderdas Anandji.	Dt-3220, dated 30-10-31	Feb. 6, 1932.
191840/46 .	1,000 each.	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
195845 . .	1,000	Prosad Das Boral & Bros.	June 30, 1927	Makhan Lal Modak	Dt-614/98—30, dated 1-3-32.	Aug. 13, 1932.
196897 . .	500	Makhan Lal Modak .	Ditto .	Ditto . .	Ditto . .	Ditto.
[illegible]62 . .	500	Jaggo Mohun Pal . .	Dec. 31, 1925	Nibaron Chandra Guha Mustofee, Jogendra Nath Sen and Syam Chand Basak.	Dated 30-1-36 I/1184.	Aug. 29, 1936.
198707 . .	500	Makhan Lal Modak .	June 30, 1927	Makhan Lal Modak	Dt.-614/98—30, dated 1-3-32.	Aug. 13, 1932.
198835 . .	1,000	The Punjab National Bank, Ltd.	Ditto .	Ditto . .	Ditto . .	Ditto.
201842 . .	100	Babu Ram and Ram Dulari or either.	Dec. 31, 1921	Babu Ram and Ram Dulari or either.	Dt-892/148—32, dated 4-4-32.	Ditto.
203257 . .	500	Sarashi Bala Sinha .	Dec. 31, 1922	Sarashi Bala Sinha .	Dated 24-3-36 I/817.	Aug. 29, 1936.
203949 .	5,000	The Controller of the Currency and the Secy. and Treasurer, Imperial Bank of India.	June 30, 1929	Ajoy Nath Mitter and Asoke Nath Mitter.	Dated 1-11-35 I/913.	Mar. 9, 1936.
204525 .	1,000	Bidhumukhi Dassya .	June 30, 1921	Subasini Majumdar, Indu Nivanani Roy and Nira Nalini Roy.	Dt-2822, dated 5-10-33 .	Feb. 10, 1934.
208148 . .	1,000	The Accountant General, Posts and Telegraphs.	June 30, 1922	Jethalal Premji Goraksai.	Dt-2348, dated 4-10-34 .	Mar. 16, 1935.

* Half Notes—Duplicate issued.
=Half Notes—Issue of duplicates authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28, and 29 of G. I., F. D., Notn. No. $\frac{413\text{-A}}{\text{D/2241-F.}}$' dated $\frac{3\text{-7-20}}{18\text{-2-35}}$'	Date of p[illegible] tion under X of 19[illegible] list in wh[illegible] Security [illegible] first men[illegible]
	Rs.	**Three and half per cent., 1854-55—*contd.***				
208274 . .	1,000	Chintamani . . .	Dec. 31, 1931	Chintamani . .	Dt-304, dated 7-2-34 .	Oct. 27, [illegible]
208614 . .	10,000	The Controller of the Currency and the Secy. and Treasurer, Imperial Bank of India.	June 30, 1929	Ajoy Nath Mitter and Asoke Nath Mitter.	Dated 1-11-1935 . . I/913.	Mar. 9, [illegible]
209122 . .	25,000	Nathu Singh . .	June 30, 1930	Rai Bahadur Nathu Singh.	Dt-2069, dated 17-8-32 .	Feb. 18, [illegible]
209375 . .	100	Sidheswar De . .	Ditto .	The Superintendent, Eden Sanitarium and Hospital, Darjeeling.	Dt-3445, dated 12-12-33	Feb. 10, [illegible]
=210406. .	800	The Imperial Bank of India.	Dec. 31, 1929	Badri Gopal Ranjitkar.	Dt-2968, dated 21-12-34	Mar. 16, [illegible]
211540 . .	1,000	Bhogilal J. Mody . .	June 30, 1929	Bhogilal J. Mody .	Dated 11-8-36 . . I/1282.	Feb. 27, [illegible]
=212451 .	1,000	The Imperial Bank of India.	Dec. 31, 1929	Badri Gopal Ranjitkar.	Dt-2968, dated 21-12-34.	Mar. 16, [illegible]
212766 . .	1,000	Makhan Lal Modak .	June 30, 1927	Makhan Lal Modak	Dt-614, dated 1-3-32 . 98—30	Aug. 13, [illegible]
213221 . .	500	Accountant General, Posts and Telegraphs.	June 30, 1923	Bai Chanchal Manishanker.	Dated 31-8-36 . . I/1097.	Feb. 27, [illegible]
214481 . .	300	Mumtaz Jahan Begum .	June 30, 1925	Mumtaz Jahan Begum.	Dt-1517, dated 20-6-32 .	Aug. 13, [illegible]
215228 . .	1,000	Shora Binda Kanoongoy	June 30, 1931	Mohendra Kumar Kanungoe, Surendra Kumar Kanungoe, Debendra Kumar Kanungoe.	Dated 21-11-36 . . I/987.	Feb. 27, [illegible]
=216595/98 .	1,000 each.	Taraprasanna Guha .	Dec. 31, 1923	Taraprasanna Guha	Dt-146, dated 22-1-35 I/1169.	Aug. 17, [illegible]
219235-36 .	1,000 each	The Imperial Bank of India.	Ditto .	A. Chandler . .	Dated 15-7-37 . . I/720.	Aug. 28, [illegible]
221602 . .	500	Dogor Ram . .	June 30, 1931	Mengh Raj Chachra	Dated 30-5-36. . . I/1253.	Aug. 29, [illegible]
223556 . .	1,000	Sarala Bala Debi . .	Dec. 31, 1930	Sarala Bala Debi .	Dt-2923, dated 1-10-31	Feb. 6, [illegible]
223968 . .	500	Bharat Das, Minor .	Dec. 31, 1929	Mahant Bharat Das.	Dt-1468, dated 4-7-34.	Oct. 27, [illegible]
225172 . .	500	Bhavadev Chatterji .	Dec. 31, 1925	Bhavadev Chatterji.	Dt-2967, dated 21-12-34.	Mar. 16, [illegible]
225798 . .	100	The Accountant-General, Posts and Telegraphs.	Dec. 31, 1929	The Collector-in-charge, Court of Wards Estate, Aligarh.	Dt-1799, dated 25-7-32 .	Feb. 18, [illegible]
225811 . .	300					
225814 . .	400					
226722 . .	600					
226725 . .	700					
226729 . .	800					
226735 . .	900					
227113 . .	200					
228881 . .	500	Raghu Nath Prasad Pathak.	June 30, 1930	Raghu Nath Prasad Pathak.	Dated 12-12-36 . . I/1041.	Feb. 27, [illegible]
234508 . .	500	The Accountant-General, Posts and Telegraphs.	Dec. 31, 1931	Mrs. A. E. Leatham	Dt-1734, dated 6-8-34 .	Mar. 16, [illegible]
243740 . .	500	Sudhir Kumar Mukherjee	Ditto	Sudhir Kumar Mukherjee.	Dt-2919, dated 14-11-32	Feb. 18, [illegible]

=Half Notes—Duplicate issued.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A. / D/2241-F., dated 3-7-20 / 18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
	Rs.	**Three and half per cent., 1854-55—*concld.***				
252585 . .	1,000	Baidya Nath Ghosh and Bhupendra Nath Ghosh, minors, through their guardian Saraswati Bala Ghosh.	Dec. 31, 1933	Baidya Nath Ghosh and Bhupendra Nath Ghosh, minors, through their guardian Saraswati Bala Ghosh.	Dated 8-6-35 . . I/1186.	Aug. 17, 1935.
253836 . .	1,000	Allarakha & Sons . .	Dec. 31, 1935	A. H. Allarakha & Sons.	Dated 5-1-37 . . I/1277.	Feb. 27, 1937.
256634 . .	500	Girdhari Lal Dhand .	June 30, 1935	Girdhari Lal Dhand	Dated 30-3-36 . . I/1247.	Aug. 29, 1936.
**257675. .	1,000	Rasik Chandra Dutta .	June 30, 1935	Rasik Chandra Dutta	Dated 15-7-37 . . I/1303.	Aug. 28, 1937.
		Three and half per cent., 1865.				
B099994 . .	1,500	Kamlavati Purshotamdas Munguldas.	Nov. 1, 1931	Gordhandas T. Mangaldas, Ishwardas Jagmohandas Mangaldas, Kisondas Jagmohandas Mangaldas and Khushaldas K. Parekh.	Dated 1-3-37 . . I/1332.	Aug. 28, 1937.
[illegible]0741 . .	1,000	Ganpat Shankarrao Darekar.	Nov. 1, 1925	Ganpatrao Shankarrao Darekar.	Dt-996, dated 7-5-34 .	Oct. 27, 1934.
B104030 . .	1,000	Krishnarao Ramchandra Madgavkar or Shantabai Madgavkar.	1st Nov. 1934	Krishnarao Ramchandra Madgavkar.	Dated 21-2-36 . . I/1251.	Aug. 29, 1936.
B109422 . .	100	Ditto . .	Ditto .	Ditto .		
B113353 . .	100	Ditto . .	Ditto .	Ditto .		
B114949 . .	1,000	Ditto . .	Ditto .	Ditto .		
B115941/42 .	1,000 each.	The Central Bank of India, Ltd.	May 1, 1936	Soonabai Rustomji Batlivala and Maneckbai Framji Battlivala or either of them.	Dated 4-1-37 . . I/1328.	Feb. 27, 1937.
B117036 . .	500	Krishnarao Ramchandra Madgavkar or Shantabai Madgavkar.	Nov. 1, 1934	Krishnarao Ramchandra Madgavkar.	Dated 21-2-36 . . I/1251.	Aug. 29, 1936.
B117480-81 .	1,000 each.	Manekbai, P. H. Wadia	Nov. 1, 1931.	Tribhovandas Narotamdas Malvi and Dharamdas Nogardas.	Dt-1139, dated 1-5-33 .	Aug. 5, 1933.
B120271 . .	100	Krishnarao Ramchandra Madgavkar or Shantabai Madgavkar.	Nov. 1, 1934	Krishnarao Ramchandra Madgavkar.	Dated 21-2-36 . . I/1251.	Aug. 29, 1936.
B120648 . .	1,000	The Accountant General, High Court, Bombay.	May 1, 1929.	Karsondas Madhowji.	Dt-1082, dated 21-5-34 .	Oct. 27, 1934.
B131509 . .	500	Lakshmibai Gunjikar .	Ditto .	Lakshmibai Gunjikar	Dated 17-2-36 . . I/1250.	Aug. 29, 1936.
B134351 . .	1,000	Dadabhoy Bhicajee Cowasjee and Padamjee Jiwanjee.	May 1, 1933	Nergish Jal Kanga .	Dated 11-11-36 . . I/1314.	Feb. 27, 1937.
B135919 . .	500	The Accountant General, High Court, Bombay.	May 1, 1929	Messrs. Chugonlal Gandhi & Co.	Dated 11-3-36 . . I/1252.	Aug. 29, 1936.
B137029 . .	1,000	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.
B137856 . .	500	Lakshmibai Gunjikar .	Ditto .	Lakshmibai Gunjikar	Dated 17-2-36 . . I/1250.	Ditto.
L10950 . .	2,300	Frederick, D. Hammond	Nov. 1, 1930	Brig.-General F. D. Hammond.	Dt-1005, dated 10-4-33 .	Aug. 5, 1933.
055321 . .	500	Annapurna Dassee and Gosto Lal Sen.	Nov. 1, 1899	Behari Lall Sain .	582/D, dated 12-9-05 .	Feb. 24, 1906.

** Full Note—Duplicate issued without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. $\frac{413\text{-A.}}{\text{D./2241-F.}}$ dated $\frac{3\text{-}7\text{-}20}{18\text{-}2\text{-}35}$.	Date of publication under ... X of 1920 ... list in which Security was first mentioned
	Rs.	**Three and half per cent., 1865—*contd.***				
056870	200	The Comptroller General	May 1, 1903	The Chief Manager, Dacca Nawab Estate.	Dated 29-9-36 I/730.	Feb. 27, 1937.
*085126	1,000	Ditto	May 1, 1899	The Official Liquidator Dinshaw & Co. (Bankers), Ltd. (In Liquidation).	Dated 12-3-36. I/1165.	Aug. 29, 1936.
120609	1,000	Hari Dass Sreemany	May 1, 1906	Saroj Kumar, Sudhansu Kumar and Ajit Kumar Mullick, minors, through their guardian Kshitish Chandra Sarkar.	721/D, dated 10-11-10	May 4, 1911.
147315-16	100 each.	The Bank of Bengal	May 1, 1905	Radha Kanta Sen, as Manager to the estate of Sarba Sundari Dassi, lunatic (with powers to drawal of interest).	Dt-353/241—23, dated 21-2-28.	Aug. 4, 1928.
165467	1,000	Ditto	Nov. 1, 1904	Ditto	Dt-1203/241—23, dated 4-7-28.	Ditto.
169232	500	Ditto	May 1, 1907	Heramba Chandra Maitra.	Dt-40, dated 5-1-32	Feb. 6, 1932.
206916	500	Bholanath Ghose (Administrator of Radhamani Dassi).	May 1, 1913	Bholanath Ghosh	Dt-687/103—24, dated 21-3-25.	Aug. 8, 1925.
210280	1,000	Dadabhoy Pestonjee Mistri.	Nov. 1, 1914	Seth Kodarlal Punjalal.	Dt-720, dated 23-3-31	Aug. 1, 1931.
226724	200	The Bank of Bengal	Nov. 1, 1915	Kali Das Ghose	Dt-1829, dated 12-7-33	Aug. 5, 1933.
233661/62	500 each.	The Mercantile Bank of India, Ltd.	May 1, 1914	Pandit Ratan Lal Atal for self and on behalf of Pandit Bishnu Lal Atal, Pandit Monmohan Lal Atal, Pandit Janki Nath Atal, Pandit Arjun Nath Atal, Pandit Hira Lal Atal and Pandit Kanhaiya Lal Atal.	Dated 31-8-36 I/182.	Feb. 27, 1937.
237699	500	Poonjalal Amratlal	Nov. 1, 1914	Seth Kodarlal Punjalal.	Dt-720, dated 23-3-31	Aug. 1, 1931.
243344	1,000	Kooramoney Dassee, Executrix to the estate of Greesh Chunder Paul, deceased.	Nov. 1, 1915	Satyendra Kumar Bose.	Dt-1539, dated 23-6-31	Ditto.
251467	100	The Bank of Bengal	Nov. 1, 1926.	Latika Devi	Dated 2-10-35 I/1205.	Mar. 9, 1936.
254712/13	1,000 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
256043	200	Ditto	May 1, 1919	Sm. Hari Dassi Dassi	Dated 12-6-37 I/1224.	Aug. 28, 1937.
259436	1,000	Ditto	Nov. 1, 1923	Sm. Radharani Dasi and Sm. Sisubala Dasi.	Dated 26-6-35. I/912.	Aug. 17, 1935.
260112	5,000	Bholanath Surajram, Administrator to the estate of Surajram Haribhai.	Nov. 1, 1914.	Chandulal Bholanath and Hari Prashad Dayabhai.	Dt-368/179—24, dated 11-2-25.	Aug. 8, 1925.
264607	200	The Bank of Bengal	Nov. 1, 1923	Bala Devi	Dt-1835, dated 23-7-31	Feb. 6, 1932.

* Half-Note—Issue of duplicate authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of order issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A. / D./2241-F. dated 3-7-20 / 18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
	Rs.	**Three and half per cent., 1865—*contd.***				
265298 . .	1,000	Bidu Mookhee Dassee .	May 1, 1922	Subasini Majumdar, Indu Nivanani Roy and Nira Nalini Roy.	Dt-2822, dated 5-10-33 .	Feb. 10, 1934.
269358 . .	1,000	The Bank of Bengal .	Nov. 1, 1923	Bala Devi . .	Dt-1835, dated 20-7-31 .	Feb. 6, 1932.
272885 . .	1,000	Rakhma Bai Mahajan .	Nov. 1, 1922	Sakharam Laxman Mahajan.	Dated 15-7-35 . . I/1196.	Aug. 17, 1935.
276460/61 .	500 each.	Bam Bahadur Rana and the minor Muni Ram Rana.	Nov. 1, 1921	Manohar Lal . .	Dt-2651, dated 24-11-34 I/1057.	Ditto.
276641 . .	500	Kshirode Bhusan Set .	May 1, 1925	Madhabendu Sett, Nanda Lall Sett and Kartick Chandra Sett, minors, through their Guardian Sm. Saraswati Dasi.	Dated 24-2-36 . . I/1229.	Aug. 29, 1936.
279891 . .	300	Waman Shankar Deshpande.	Nov. 1, 1918.	Yogiraj Kaniram Marwadi.	Dt-2458, dated 23-9-32 .	Feb. 18, 1933.
290430 . .	500	Mohananda Kundoo .	May 1, 1921.	Mohananda Kundoo	Dt-1691, dated 30-7-34 .	Mar. 16, 1935.
293241 . .	1,000	Lalit Mohan Manna .	May 1, 1927 .	Makhan Lal Modak	Dt-614/98—30, dated 1-3-32.	Aug. 13, 1932.
*294126	500	Ganesh and Laxman Waman Gadray or either.	May 1, 1925 .	Saraswatibai and Anant Raghunath Parchure or either.	Dt-1806, dated 26-7-32 .	Feb. 18, 1933.
=295231. .	1,000	Taraprasanna Guha .	Nov. 1, 1923	Taraprasanna Guha	Dt-146, dated 22-1-35 I/1169.	Aug. 17, 1935.
296030 . .	500	Rajendranath Dey .	May 1, 1919 .	Sm. Hari Dassi Dassi	Dated 12-6-37 . . I/1224.	Aug. 28, 1937.
[illegible]946 . .	500	Girish Chander Dey .	Ditto .	Surendra Nath Dey	Dated 30-9-35 . . I/1201.	Mar. 9, 1936.
299947 . .	1,000	Ditto . . .	Ditto .	Ditto . .	Ditto . .	Ditto.
299950 . .	1,000	Ditto . . .	Ditto .	Ditto . .	Ditto . .	Ditto.
301560 . .	1,000	The Bank of Bengal .	Ditto .	Sm. Hari Dassi Dassi	Dated 12-6-37 . . I/1224.	Aug. 28, 1937.
303994 . .	500	The Accountant General, Bengal.	May 1, 1927	Usanath Basu .	Dt-1590, dated 16-7-34	Oct. 27, 1934.
305019 . .	500	Nirode Kumari Dasi .	Nov. 1, 1920	Manohar Lal . .	Dt-2659, dated 24-11-34.	Mar. 16, 1935.
306086-87	500 each.	Ganpatrao Shankarrao Darekar.	Nov. 1, 1925	Ganpatrao Shankarrao Darekar.	Dt-996, dated 7-5-34 .	Oct. 27, 1934.
306088 . .	1,000	Ditto .	Ditto .	Ditto .	Ditto . .	Ditto.
306436 . .	100	Varidireddi Subbareddi .	Nov. 1, 1924.	V. Dasaratha Rami Reddi.	Dt-1061, dated 29-4-32 .	Aug. 13, 1932.
308358 . .	500	Hemlal Nag . .	May 1, 1927	Makhan Lal Modak	Dt-614/98—30, dated 1-3-32.	Aug. 13, 1932.

* Half Note—Duplicate issued.
= Half Note—Issue of duplicate authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. $\frac{413\text{-A.}}{\text{D./2241-F.}}$, dated $\frac{3\text{-7-20}}{18\text{-2-35}}$.	Date of publication under ... X of 1920 ... list in which Security was first mentioned
	Rs.	**Three and half per cent., 1865—*contd.***				
310127 . .	3,000	Kedar Nath Das . .	May 1, 1926	Tulshi Charan Das and Sambhu Charan Das.	Dt-39, dated 5-1-32 .	Feb. 6, 19[illegible]
310653 . .	1,000	Prosad Das Boral and Bros.	May 1, 1927	Makhan Lal Modak.	Dt-614/98—30, dated 1-3-32.	Aug. 13, 19[illegible]
310836 . .	1,000	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
311760 . .	1,000	Shaw Wallace & Co. .	Ditto .	Ditto . .	Ditto . .	Ditto.
314073 . .	500	Makhan Lal Modak .	Ditto .	Ditto . .	Ditto . .	Ditto.
315044 . .	500	Tribinash Ch. Mitter .	Ditto .	Ditto . .	Ditto . .	Ditto.
=319213. .	100	The Allahabad Bank, Ltd.	Nov. 1, 1927	Chaudhri Abdul Majid.	Dated 7-10-36 I/1119. . .	Feb. 27, 19[illegible]
323618 . .	500	Suraj Bali Lal . .	Nov. 1, 1930.	Ram Samujh Lal, Ram Sundar Lal, Ram Kishan Lal, Ram Shanker Lal and Girja Shankar Lal.	Dt-2451, dated 25-10-34.	Mar. 16, 19[illegible]
328469 . .	1,000	Sarada Prosad Chowdhury.	Nov. 1, 1925	Nando Lall Banerjee	Dt-2531, dated 4-9-33 .	Feb. 10, 19[illegible]
332348 . .	1,000	Atul Krishna Ghosh .	Nov. 1, 1927	Tarak Nath Ghosh, Radha Raman Ghosh, Radha Madan Ghosh, Radha Kisore Ghosh and Radha Moy Ghosh.	Dt-851, dated 2-4-31 .	Aug. 1, 1931.
335948/50 .	100 each.	Mudun Mohan Roy .	Nov. 1, 1932	Tarak Nath Ghosh .	Dated 19-12-35 I/1227. . .	Mar. 9, 1936.
336478 . .	1,000	Lachhmidat and Suraj Narain.	May 1, 1928 .	Lachhmidat and Suraj Narain.	Dated 10-12-35 I/1121. . .	Ditto.
=338340. .	1,000	Nabin Chandra Chowdhury.	Nov. 1, 1928	Nabin Chandra Chowdhury.	Dated 22-6-37 I/783. . .	Aug. 28, 19[illegible]
=338792/93 .	1,000 each.	Taraprasanna Guha .	Nov. 1, 1923	Taraprasanna Guha	Dt-146, dated 22-1-35. I/1169.	Aug. 17, 19[illegible]
=338794/95 .	5,000 each.	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
338991 . .	1,000	Sri Krishendev Narayan Singh.	Ditto .	Sri Krishendev Narayan Singh.	Dt-779/176—28, dated 25-4-28.	Aug. 4, 19[illegible]
338992-93 .	500 each.	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
=341626 .	500	The Association for the Education of the Muslimat in India.	May 1, 1934	The Association for the Education of the Muslimat in India.	Dated 12-11-36 I/1286. . .	Feb. 27, 19[illegible]
345820 . .	100	Abinash Chunder Dutt .	May 1, 1933	Amrita Lall Sen	Dt-287, dated 5-2-34 .	Oct. 27, 19[illegible]
345909 . .	500	Sham Piari . . .	Nov. 1, 1929	Shiam Piari . .	Dt-201, dated 29-1-34 .	Ditto.
347212 . .	500	G. C. Mandal . .	Nov. 1, 1930	Tarapada Day .	Dt-945/152—32, dated 9-4-32.	Aug. 13, 19[illegible]
347576 . .	100	The Imperial Bank of India.	Nov. 1, 1932.	Tarak Nath Ghosh .	Dated 19-12-35 I/1227. . .	Mar. 9, 19[illegible]
350303 . .	500	Kiron Sashi Dasi . .	May 1, 1930	Kiron Sashi Dasi .	Dt-3427, dated 14-11-31	Feb. 6, 19[illegible]

=Half Notes—Issue of duplicate authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D./2241-F., dated 3-7-20/18-2-35	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
			Three and half per cent., 1865—*contd.*			
	Rs.					
351118 . .	500	The National Bank of India, Ltd.	Nov. 1, 1933	Shanker Lal Chowbey	Dated 14-1-37 I/1309. . .	Feb. 27, 1937.
353795 . .	500	Surja Kanto Basak .	Nov. 1, 1927	Ajit Kumar Banerjee and Ranjit Kumar Banerjee, minors, through their guardian Durga Prosad Banerjee.	Dt-724, dated 24-3-34 .	Oct. 27, 1934.
357241 . .	500	Hurry Lall Bhudder .	Nov. 1, 1930	Anantaram Dey .	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932.
360168 . .	1,000	The Imperial Bank of India.	Ditto .	Ditto . .	Ditto . .	Ditto.
361531 . .	100	The Controller of the Currency.	Ditto .	Ditto . .	Ditto . .	Ditto.
362089 . .	100	Abala Bala Sarcar. .	May 1, 1930	Abala Bala Sarcar .	Dt-2558, dated 3-11-34 .	Mar. 16, 1935.
362330 . .	500	The Imperial Bank of India.	Nov. 1, 1930	Anantaram Dey .	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932.
362435 . .	200	Ditto . .	Nov. 1, 1935	Mrs. Ramabai Palekar.	Dated 17-6-37 I/1299. . .	Aug. 28, 1937.
363969 . .	500	Ramendra Kristo Mitra, Borendra Kristo Mitra, Fanindra Kristo Mitra and Gunendra Kristo Mitra or any one of them.	Nov. 1, 1930	Anantaram Dey .	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932.
365191 . .	5,000	The Imperial Bank of India.	Nov. 1, 1931	Rajani Kanto Dass	Dt-908/150—32, dated 5-4-32.	Ditto.
365238 . .	500	Jogendra Nath Mitra	Nov. 1, 1930	Tarapada Day	Dt-945/152—32, dated 9-4-32.	Ditto.
368038 . .	1,000	Promodini Gupta . .	May 1, 1934	Promodini Gupta .	Dt-298, dated 13-2-35 I/1161.	Aug. 17, 1935.
368254 . .	500	The Imperial Bank of India.	Nov. 1, 1932.	Tarak Nath Ghosh .	Dated 19-12-35 I/1227. . .	Mar. 9, 1936.
368814 . .	100	Banimadhab Ghosh .	Ditto .	Ditto . .	Ditto . .	Ditto.
368815 . .	200	Ditto . . .	Ditto .	Ditto . .	Ditto . .	Ditto.
368816 . .	100	Ditto . . .	Ditto .	Ditto .	Ditto . .	Ditto.
372218 . .	200	Panchkarry Chattopadhya.	Nov. 1, 1933	Panchkarry Chattopadhya.	Dt-1522, dated 11-7-34	Oct. 27, 1934.
373814 . .	2,000	A. E. Leatham . .	Nov. 1, 1931	Mrs. A. E. Leatham	Dt-1734, dated 6-8-34 .	Mar. 16, 1935.
377656 . .	10,000	The Imperial Bank of India.	Nov. 1, 1932	Sir Devaprasad Sarvadhikary and Sm. Sarojini Sarvadhikary.	Dt-2698, dated 15-9-33 .	Feb. 10, 1934.
378479 . .	500	Sisir Kumar Majumdar .	May 1, 1932	Sisir Kumar Majumdar.	Dt-863, dated 17-4-34 .	Oct. 27, 1934.
380987 . .	1,000	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.
381248 . .	1,000	The Imperial Bank of India.	Nov. 1, 1931	Abdul Gaffar Mandal	Dt-11, dated 4-1-34 .	Feb. 10, 1934.
381425 . .	500	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
382038 . .	100	Banimadhab Ghosh .	Nov. 1, 1932.	Tarak Nath Ghosh .	Dated 19-12-35 I/1227. . .	Mar. 9, 1936.
382712 . .	500	Panchkarry Chattopadhya.	Nov. 1, 1933	Panchkarry Chattopadhya.	Dt-1522, dated 11-7-34 .	Oct. 27, 1934.
382713 . .	1,000					
382714 . .	200					

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	Rs.	**Three and half per cent., 1865—concld.**				
†384988 . .	2,000	E. J. R. Newing . .	Nov. 1, 1934	Miss E. J. R. Newing	Dated 15-1-37 . . I/1285.	Feb. 27, 19[illegible]
386311 . .	5,000	The Bank of India, Ltd.	Nov. 1, 1932.	Sir Devaprasad Sarvadhikary and Sm. Sarojini Sarvadhikary.	Dt-2698, dated 15-9-33 .	Feb. 10, 19[illegible]
386563 . .	500	Durgarani Devi . .	May 1, 1932	Durgarani Devi .	Dt-2844, dated 12-12-34.	Mar. 16, 19[illegible]
406674 . .	2,500	Prosad Das Boral and Bros.	Nov. 1, 1935	Mrs. Ramabai Palekar.	Dated 17-6-37 . . I/1299.	Aug. 28, 19[illegible]
		Three and half per cent., 1879.				
B025653/54 .	100 each.	Krishnarao Vithali Kirtikar.	Jan. 16, 1934	Krishnarao Vithali Kirtikar.	Dt-449, dated 5-3-35. I/1191.	Aug. 17, 19[illegible]
025649 . .	100	Waman Shankar Deshpande.	Jan. 16, 1919	Yogiraj Kaniram Marwadi.	Dt-2458, dated 23-9-32 .	Feb. 18, 19[illegible]
025906 . .	2,000	Gangadhar Rao, Narayan Dhanday.	Jan. 16, 1918	Gangadhar Rao, Narayan Dhanday.	Dt-168/217—22, dated 18-1-24.	Aug. 23, 19[illegible]
*029493 . .	500	Narendra Nath Chatterjee	July 16, 1921	Sm. Charubala Debi and Ranjit K. Chatterjee.	Dt-26, dated 6-1-34 .	Feb. 10, 19[illegible]
		Three and half per cent., 1900-01.				
B038132 . .	500	Chugondas & Co. . .	Dec. 31, 1914	Seth Kodarlal Punjalal.	Dt-720, dated 23-3-31 .	Aug. 1, 19[illegible]
B044826 . .	1,000	The Bank of India, Ld.	Ditto .	Seth Keshavalal Punjalal.	Ditto . .	Ditto.
B045490-91 .	1,000 each.	The Central Bank of India, Ld.	Ditto .	Ditto . .	Ditto . .	Ditto.
B045616 . .	1,000	The Alliance Bank of Simla, Ld.	Ditto .	Ditto . .	Ditto . .	Ditto.
B071690-91 .	500 each.	The Bank of Bombay .	Dec. 31, 1923	Jamnadas Anandji Mathradas Thakersay and Sunderdas Anandji.	Dt-3220, dated 30-10-31	Feb. 6, 19[illegible]
B098554 .	500	Shankar Dattatraya Javadekar.	June 30, 1928	Dattatraya Jagannath Javadekar.	Dated 19-7-35 . . I/1210.	Aug. 17, 19[illegible]
B099487 . .	1,000	The Central Bank of India, Ltd.	Dec. 31, 1927	The Deputy Commissioner, Chhindwara.	Dt-639, dated 16-3-34 .	Oct. 27, 19[illegible]
B107536 . .	100	The Deputy Controller of the Currency, Bombay.	June 30, 1922	Murlidhar Parashram Chumble.	Dt-615/231—29, dated 1-3-32.	Aug. 13, 19[illegible]
B109081 . .	500	Merbai Nowroji . .	June 30, 1932	Rustom Edulji Basta	Dt-200, dated 29-1-34 .	Oct. 27, 19[illegible]
B127565 . .	1,000	Manibai . . .	June 30, 1930	Manibai . .	Dt-2530, dated 30-9-32 .	Feb. 18, 19[illegible]
B139248 . .	1,000	Bank of India, Ltd. .	Dec. 31, 1934	Hermogenes Fidelis Furtado.	Dated 19-12-35 . . I/1234.	Mar. 9, 19[illegible]
B151076 . .	100	Bai Suraj . . .	June 30, 1929	Bai Suraj . .	Dt-1680, dated 27-6-33 .	Aug. 5, 19[illegible]
**B197242 .	500	Hormasji B. Vakil, Bejanji Ardeshar Vakil and Meherbai Behramshaw Vakil or any one of them.	June 30, 1934	Hormasji B. Vakil, Bejanji Ardeshar Vakil and Meherbai Behramshaw Vakil or any one of them.	Dated 17-4-35 . . RA/A61/35	Aug. 17, [illegible]
M005660 .	2,000	K. Krishnaswami Nayudu.	June 30, 1927	The Chairman, Board of Trustees, Lakshmana Swami, Town Hall, Vellore.	Dated 17-2-36 . . I/1246.	Aug. 29, [illegible]
008769 . .	1,000	The National Bank of India, Ltd.	Dec. 31, 1900	Appaji Appah .	Dated 18-4-35 . . I/133.	Aug. 17, [illegible]

† Half Note—Duplicate Issued.
* Partially destroyed Note—Duplicate issued.
** Full Note—Duplicate issued without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D/2241-F., dated 3-7-20/18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
	Rs.	**Three and half per cent., 1900-01—*contd.***				
13942 . .	1,000	The Bank of Bengal .	June 30, 1908	Ganesh Chandra Ghosh.	Dt-2146, dated 9-8-33 .	Feb. 10, 1934.
16441 . .	500	Ditto . .	Dec. 31, 1909	Bimal Chandra Mitra and Sailendra Nath Mitra.	Dt-2031, dated 6-9-34 .	Mar. 16, 1935.
33721 . .	500	P. G. & W. Sawoo .	Dec. 31, 1913	Bama Sundari Dasi	Dt-761/244B—20, dated 6-3-22.	Aug. 23, 1922.
43483 . .	1,000	The Alliance Bank of Simla, Ltd.	June 30, 1907	Ram Prosanna Dutt, Ramendra Sundar Dutt and Ramjiban Dutt.	Dated 6-12-35 . . I/879.	Mar. 9, 1936.
47159 . .	1,000	Prosad Das Boral and Bros.	June 30, 1905	Sarala Sundari Debi	Dt-371/1—16, dated 22-2-18.	Aug. 24, 1918.
59647 . .	100	Ditto.	Dec. 31, 1908	Bharat Chandra Dhar	Dt-1604, dated 19-6-33 .	Aug. 5, 1933.
90611-12 .	1,000 each.	The Bank of Bengal .	Dec. 31, 1919	Nitya Gopal Lahiry, Broja Gopal Lahiry, Jogesh Chandra Lahiry for self and as guardian of the minors Santi Kumar Lahiry, Kartick Kumar Lahiry and Sadhon Kumar Lahiry.	Dated 4-6-37 . . I/400C.	Aug. 28, 1937.
93792 . .	100	Prosad Das Boral and Bros.	Dec. 31, 1907	Kshitindra Nath Tagore.	Dated 9-12-36 . . I/1271.	Feb. 27, 1937.
93793 . .	100	Ditto . .	Ditto .	Ditto .	Ditto . . .	Ditto.
98577 . .	100	Ditto . .	Dec. 31, 1908	Bharat Chandra Dhar	Dt-1604, dated 19-6-33 .	Aug. 5, 1933.
7459 . .	500	Ditto . .	Dec. 31, 1909	Sm. Sarala Bala Debi, certificate holder (with powers to draw interest only) to the estate of Charu Prosad Chatterjee (since deceased).	Dated 21-7-37 . . I/1341.	Aug. 28, 1937.
7541 . .	1,000	The National Bank of India, Ld.	Dec. 31, 1914	Seth Keshavalal Punjalal.	Dt-720, dated 23-3-31 .	Aug. 1, 1931.
496 . .	1,000	The* Bank of Bombay .	Ditto .	Ditto . .	Ditto . .	Ditto.
00 . .	1,000	Ditto . .	Ditto .	Ditto. . .	Ditto . .	Ditto.
4 . .	500	The Bank of Bengal .	Dec. 31, 1915	Pramadiny Ghose .	Dt-1705, dated 29-6-33 .	Aug. 5, 1933.
923 . .	1,000	Ditto . .	June 30, 1915	Mahadeb Mundol .	Dt-447, dated 5-3-35. I/1.	Aug. 17, 1935.
296-98 .	100 each.	Prosad Das Boral & Bros.	June 30, 1913	Santosh Kumar Mittra.	Dt-1049/239—18, dated 19-5-21.	Aug. 13, 1921.
5120 . .	1,000	The Bank of Bengal .	June 30, 1919	Pooran Lal . .	Dt-3392, dated 4-12-33 .	Feb. 10, 1934.
345 . .	2,000	Prosad Das Boral & Bros.	June 30, 1913	Raja Sarat Chandra Rai Choudhuri.	Dated 17-9-36 . . I/424.	Feb. 27, 1937.
03 . .	100	Ditto . .	Dec. 31, 1923	Satya Charan Mookherjee.	Dt-242, dated 2-2-33 .	Aug. 5, 1933.
70 . .	100	Purna Chandra Sinha .	Ditto .	Ditto . .	Ditto . .	Ditto.
71 . .	1,000	Bhoobun Mohini Dabee .	June 30, 1919	Sasti Money Deby .	Dated 5-1-37 . . I/1290.	Feb. 27, 1937.
43 . .	2,000	Kanshi Ram . .	June 30, 1918	Deoki Nandan Sood and Rattan Lall Sood.	Dt-2894, dated 12-10-33	Feb. 10, 1934.
75 . .	5,000	The Bank of Bengal .	June 30, 1924	Abdur Rahman and Khalilur Rahman.	Dated 8-1-37 . . I/1254.	Feb. 27, 1937.
8-99 .	500 each.	Waman Shankar Deshpande.	Dec. 31 1918	Yogiraj Kaniram Marwadi.	Dt-2458, dated 23-9-32 .	Feb. 18, 1933.

*Half Note—Duplicate issued.

Three and half per cent., 1900-01—*contd.*

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A. / D/2241-F. dated 3-7-20 / 18-2-35,	Date of publication under ... X of 1920 ... list in which ... Security w... first mentio...
	Rs.					
215794 . .	1,000	Hriday Nath Pramanik .	Dec. 31, 1923	Sm. Radharani Dasi and Sm. Sisubala Dasi.	Dated 26-6-35 I/912. . .	Aug. 17, 19
217144 . .	500	Waman Shankar Deshpande.	Dec. 31, 1918	Yogiraj Kaniram Marwadi.	Dt-2458, dated 23-9-32.	Feb. 18, 19
234939 . .	500	The Bank of Bengal .	Dec. 31, 1918	Sm. Hari Dassi Dassi	Dated 12-6-37 I/1224. . .	Aug. 28, 19
239429 . .	500	Prosad Das Boral & Bros.	June 30, 1918	The Hony. Secy., R. Mitra H. E. School, Deoghar.	Dated 12-8-35 I/1154. . .	Mar. 9, 193
241035 . .	100	The Accountant-General, Posts and Telegraphs.	Dec. 31, 1923	Satya Charan Mukherjee.	Dt-242, dated 2-2-33 .	Aug. 5, 19
241052 . .	400	Ditto . .	June 30, 1918	Gagan Chandra Mudli, Bhuban Chandra Mudli and the minor Santosh Chandra Mudli (through his guardian, Gagan Chandra Mudli).	Dt-2101, dated 12-10-28	Feb. 2, 19
245931 . .	100	The Bank of Bengal .	Dec. 31, 1924	Provash Kumar Mukherjee	Dt-176, dated 20-1-32 .	Feb. 6, 193
245936 . .	100	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
249435 . .	300	Sreedhar Chandra Saha	June 30, 1927	Makhan Lal Modak	Dt-614/98—30, dated 1-3-32.	Aug. 13, 19
254855 . .	1,000	Mohan Sasi Dasi . .	Dec. 31, 1924	Binapani Dasi, minor through her guardian Mohun Soshee Dassi.	Dt-41, dated 5-1-32 .	Feb. 6, 193
255053 . .	100	Kshirode Bhusan Set .	June 30, 1928	Madhabendu Sett, Nunda Lall Sett and Kartick Chandra Sett minors, through their guardian Sm. Saraswati Dasi.	Dated 24-2-36 I/1229. . .	Aug. 29, 19
257637 . .	1,000	Makhan Lal Modak .	June 30, 1927	Makhan Lal Modak	Dt-614/98—30, dated 1-3-32.	Aug. 13, 19
257641 . .	500	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto,
261725-26 .	100 each.	The Accountant General Bengal.	Dec. 31, 1923	Shiv Shankar Bhargava.	Dt-2908, dated 13-10-33	Feb. 10, 19
263684 . .	100	The Allahabad Bank, Ltd.	June 30, 1924	Deepchand (K. D.) Chullany.	Dated 16-5-35 I/1148. . .	Aug. 17, 19
267291 . .	300	Preo Lal Mallik . .	June 30, 1927	Makhan Lal Modak	Dt-614/98—30, dated 1-3-32.	Aug. 13, 19
272298 . .	500	Navalchand Chhaganlal	June 30, 1929	The Union Education Society, Surat.	Dated 17-12-36 I/1298. . .	Feb. 27, 19
272888 . .	100	The Allahabad Bank, Ld.	Dec. 31, 1929	Govind Lall . .	Dt-1633/169—32, dated 4-7-32.	Aug. 13, 19
273811 . .	700	The Accountant-General, Posts and Telegraphs.	Dec. 31, 1928	Wazir Chand Bhasin	Dt-1055, dated 27-4-31 .	Aug. 1, 19
276223 . .	500	Satya Charan Haldar .	June 30, 1929	Satya Charan Haldar	Dt-3100, dated 13-10-31.	Feb. 6, 19
279120 . .	1,000	Ranjit Kumar Chatterjee	June 30, 1927	Makhan Lall Modak	Dt-614/98—30, dated 1-3-32.	Aug. 13, 19
279206 . .	600	The Accountant-General, Posts and Telegraphs.	June 30, 1923	Manilal Kaviraj .	Dt-1155, dated 11-5-31 .	Aug. 1, 19
279217 . .	900	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto

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	Rs.	**Three and half per cent., 1900-01—*contd.***				
285932	500	Monorama Debi	June 30, 1927	Ajit Kumar Banerjee and Ranjit Kumar Banerjee, minors, through their guardian, Durga Prosad Banerjee.	Dt-724, dated 24-3-34	Oct. 27, 1934.
287830	100	The Allahabad Bank, Ld.	Dec. 31, 1929	Govind Lall	Dt-1633/169—32, dated 4-7-32.	Aug. 13, 1932.
*293563	5,000	Sorab K. H. Katrak	Dec. 31, 1932	Sorab K. H. Katrak	Dt-1733, dated 9-8-34	Mar. 16, 1935.
294107	200	The Imperial Bank of India.	June 30, 1928	Mrinaliny Dassee	Dt-3542, dated 23-11-31.	Feb 6, 1932.
296117	700	Surja Kanto Basack	Dec. 31, 1927	Ajit Kumar Banerjee and Ranjit Kumar Banerjee, minors, through their guardian, Durga Prosad Banerjee.	Dt-724, dated 24-3-34	Oct. 27, 1934.
301396	100	Bhabesh Bhabini Dassee	Dec. 31, 1932	Bhabesh Bhabini Dassee.	Dated 10-9-36 I/1280.	Feb. 27, 1937.
309114-15	500 each.	Bhikaji Balkrishna Korfade.	Dec. 31, 1926	Dhonda Krishna Sathe.	Dt-1219, dated 9-5-33	Aug. 5, 1933.
309917	500	Bhabesh Bhabini Dassee	Dec. 31, 1932	Bhabesh Bhabini Dassee.	Dated 10-9-36 I/1280.	Feb. 27, 1937.
309974	1,000	The Chairman, District Board, Cawnpore.	Dec. 31, 1930	The Chairman, District Board, Cawnpore.	Dt-2253, dated 16-8-33	Feb. 10, 1934.
311945	500	Kiron Sashi Dassi	June 30, 1930	Kiron Sashi Dassi	Dt-3427, dated 14-11-31	Feb. 6, 1932.
312033	100	The Allahabad Bank, Ld.	Dec. 31, 1930	Raghbir Saran	Dt-1633/169—32, dated 4-7-32.	Aug. 13, 1932.
314535	1,000	Sarala Bala Debi	Ditto	Sarala Bala Debi	Dt-2923, dated 1-10-31.	Feb. 6, 1932.
314539	1,000	Suren Bala Debi	Dec. 31, 1931	Suren Bala Debi	Dt-1138, dated 1-5-33	Aug. 5, 1933.
318834	1,000	Shose Bhuson Bhattacharjee.	Dec. 31, 1932	Shose Bhusan Bhattacharjee.	Dt-1295, dated 14-6-34	Oct. 27, 1934.
**319037	3,000	Gurudas Chatterjee	June 30, 1933	Durga Kinkar Chatterjee.	Dated 6-2-36 I/1242.	Aug. 29, 1936.
[illegible]087	100	The Imperial Bank of India.	June 30, 1928	Mrinaliny Dassee	Dt-3542, dated 23-11-31	Feb. 6, 1932.
323222	100	The Allahabad Bank, Ld.	Dec. 31, 1930	Jagan Nath	Dt-1632/169—32, dated 4-7-32.	Aug. 13, 1932.
323223-26	100 each.	Ditto	Ditto	Raghbir Saran	Ditto	Ditto.
323880	500	Surja Kanto Basak	Dec. 31, 1927	Ajit Kumar Banerjee and Ranjit Kumar Banerjee, minors, through their guardian, Durga Prosad Banerjee.	Dt-724, dated 24-3-34	Oct. 27, 1934.
333268	500	Prosad Das Boral & Bros.	June 30, 1933	Sm. Pateswari Debi	Dated 1-3-37 I/1263.	Aug. 28, 1937.
333496-97	1,000 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
333672	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
***334360-61	500 each.	Lalit Mohan Mukherjea	Dec. 31, 1934	The Gauhati Loan Office Ltd., (Bank of the East Ltd.).	Dated 15-6-37 I/1300.	Ditto.
334432-33	100 each.	Prosad Das Boral & Bros.	June 30, 1933	Pateswari Debi	Dated 1-3-37 I/1263.	Ditto.

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*** Half Note—Issue of duplicate authorised.

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	Rs.	**Three and half per cent., 1900-01**—*contd.*				
337869 . .	500	Bhuban Chandra Dass and Bhairab Chandra Dass minors through their guardian Bharat Chandra Das empowered under Act 39 of 1925 to negotiate.	June 30, 1930	Bhuban Chandra Das and the minor Bhairab Chandra Das under the guardianship of Lakhinath Das and Sm. Bitopeni Dassya.	Dated 27-4-36 . . I/1217.	Aug. 29, 1936
337872 . .	100	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.
338361 . .	1,000	Madhub Chunder Dey .	June 30, 1928	Madhab Chandra Dey	Dt-2955, dated 17-10-33.	Feb. 10, 1934
341018-19 .	100 each.	The Allahabad Bank, Ld.	Dec. 31, 1928	Kundan Lal Bhargava.	Dt-1633/169—32, dated 4-7-32.	Aug. 13, 1932
*341141 . .	100	Panchcouri Bhattacharjee	June 30, 1931	Prababati Debi .	Dt-831, dated 22-3-33 .	Aug. 5, 1933
344120 . .	100	Hari Charan Boral	Dec. 31, 1932	Kanai Lall Dutt .	Dated 17-9-36 . . I/1281.	Feb. 27, 1937.
345638 . .	1,000	Panchkarry Chattopadhya.	June 30, 1933	Panchkarry Chattopadhya.	Dt-1522, dated 11-7-34 .	Oct. 27, 1934.
347557-58 .	1,000 each.	Upendra Nath Dutt .	Dec. 31, 1931	Upendra Nath Dutt	Dt-2130, dated 23-8-32 .	Feb. 18, 1933
348347 . .	1,000	Jagodish Chandra Sett .	Dec. 31, 1930	Jagadish Chandra Sett.	Dt-574/138—32, dated 25-2-32.	Aug. 13, 1932
*350066/68 .	1,000 each.	Sm. Saila Bala Dasi .	June 30, 1936	Saila Bala Dasi .	Dated 14-1-37 . . I/1316.	Feb. 27, 1937.
350742-43	1,000 each.	Banku Behari Chatterjee	Dec. 31, 1930	Banku Behary Chatterjee.	Dt-1572/168—32, dated 25-6-32.	Aug. 13, 1932
357141 . .	1,000	Amarta Lal Banerji .	Ditto .	Amarta Lal Banerji	Dt-808/146—32, dated 23-3-32.	Ditto.
†358175 . .	500	Santeemoyi Mukerji .	Ditto .	Santeemoyi Mukerji	Dated 4-4-35 . . I/1183.	Aug. 17, 1935.
359079 . .	1,000	Durga Prosad Basu .	June 30, 1932	Durga Prosad Bose	Dt-480, dated 18-2-33 .	Aug. 5, 1933.
359292 . .	100	The Imperial Bank of India.	Dec. 31, 1931	Abdul Goffar Mandal	Dt-11, dated 4-1-34	Feb. 10, 1934.
359425 . .	100					
359651 . .	500					
359652 . .	1,000					
359890-93 .	1,000 each.	Panchkarry Chattopadhya.	June 30, 1933	Panchkarry Chattopadhya.	Dt-1522, dated 11-7-34 .	Oct. 27, 1934
359894-95 .	500 each.					
359969/74 .	100 each.	Basudeva Sahai Bhargava, Parmeshwar Saran Bhargava and the minor Krishna Prasad through his guardian Rai Radha Raman Bhargava Bahadur.	June 30, 1935	Krishna Prasad Bhargava.	Dated 4-3-36 . . I/1232.	Aug. 29, 1936
360126 . .	100	Kanai Lall Dutt .	Dec. 31, 1932	Kanai Lall Dutt .	Dated 17-9-36 . . I/1281.	Feb. 27, 1937
360845-46 .	100 each.	Byramji Edulji Lala .	June 30, 1931	Byramji Edulji Lala	Dt-3040, dated 24-11-32	Feb. 18, 1933
361868-71 .	1,000 each.	Panchkarry Chattopadhya.	June 30, 1933	Panchkarry Chattopadhya.	Dt-1522, dated 11-7-34 .	Oct. 27, 1934
362433 .	1,000	The Bank of India, Ld.	June 30, 1931	Nandalal Das and Radharani Dassi or either of them.	Dt-744, dated 14-3-33 .	Aug. 5, 1933
363779-82 .	1,000 each.	Panchkarry Chattopadhya.	June 30, 1933	Panchkarry Chattopadhya.	Dt-1522, dated 11-7-34 .	Oct. 27, 1934
364200 . .	1,000	Sarah N. Javeri .	Dec. 31, 1931	Mrs. Sarah Naval Javeri.	D -2736, dated 27-10-32.	Feb. 18, 1933
364743 . .	100	Bhabesh Bhabini Dassee	Dec. 31, 1932	Bhabesh Bhabini Dassee.	Dated 10-9-36 . . I/1280.	Feb. 27, 1937

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	Rs.	**Three and half per cent., 1900-01—*concld.***				
**366101.	3,000	Durga Kinkar Chatterjee	June 30, 1934	Durga Kinkar Chatterjee.	Dated 6-2-36 I/1242.	Aug. 29, 1936.
‡367400	1,000	The Controller of the Currency.	June 30, 1932	Controller of the Currency on behalf of Nadir Shah R. Mehta and Sons.	Sec. 64, dated 12-1-33	Feb. 18, 1933.
‡368061	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
369920/21	1,000 each.	Debrani Ghose	June 30, 1934	Sm. Debrani Ghose	Dated 19-2-36 I/1244.	Aug. 29, 1936.
*374147	5,000	Radharani Dassi	June 30, 1936	The Manager, Allahabad Bank Ltd., Calcutta.	Dated 10-4-37 I/1305.	Aug. 28, 1937.
**375642.	1,000	Durga Kinkar Chatterjee	June 30, 1933	Durga Kinkar Chatterjee.	Dated 6-2-36 I/1242.	Aug. 29, 1936.
388930	1,800	Bank of India, Ld.	Dec. 31, 1935	Mrs. Ramabai Palekar.	Dated 17-6-37 I/1299.	Aug. 28, 1937.
390569	500	Udoya Chunder Bose	Ditto	Ditto	Ditto	Ditto.
392471	500	Monindra Nath Chatterjee and Jitendra Nath Chatterjee or either of them.	Ditto	Jitendra Nath Chatterjee.	Dated 18-9-36 I/1257.	Feb. 27, 1937.
		Three and half per cent., 1947-50.				
D002793/95	100 each.	The Imperial Bank of India.	Nov. 15, 1933	Reed Ward & Co.	Dt-1957, dated 29-8-34	Mar. 16, 1935.
**E000257/58	200 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
**G003741	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
**G003778	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
H001799	5,000	Ditto	May 15, 1936	The Registrar, Co-operative Societies, U. P., Lucknow.	Dated 18-6-37 I/1320.	Aug. 28, 1937.
*K001785	25,000	Ditto	Nov. 15, 1934	The Central Bank of India, Ltd.	Dated 18-6-35 I/1199.	Aug. 17, 1935.
		Four per cent., 1842-43.				
Non-Transferable Treasury, Note C 149181/1428-82.	1,000	The Bank of Bengal	Feb. 1, 1888	Bidhu Mukhi Dasi	392/703, dated 4-8-10	Mar. 4, 1911.
149571	1,000	Ram Lall	Aug. 1, 1886.	Lallah Luchman Pershad.	499/D, dated 29-7-91	Feb. 6, 1926.
206097	100	Shibdeen Sookul	Feb. 1, 1891	Upendra Nath Ghosh.	Dated 17-1-36 I/1239.	Mar. 9, 1936.
		Four per cent., 1854-55.				
011251	1,000	Bidya Soondary Dasi	June 30, 1868	Lalbihari Basak	823/D, dated 29-10-02	Feb. 6, 1926.
		Four per cent., 1865.				
284841	100	Ram Sudhir Cowar	May 1, 1889	Upendra Nath Ghosh.	Dated 17-1-36 I/1239.	Mar. 9, 1936.
		Four per cent., 1879.				
062887	500	Mohomedbhoy Rowjee Labai and Ibrahimbhoy Mohamedbhoy.	July 16, 1887	Atmaram Damodher	Dt-434, dated 25-7-92	Feb. 11, 1893.
		Four per cent., 1916-17.				
023372	500	Mohendra Nath Biswas	Oct. 1, 1930	Jotindra Nath Biswas, Fanindra Nath Biswas and Gopinath Biswas.	Dt-652, dated 19-3-34.	Oct. 27, 1934.
024693	100	Nazir Ahmad	Oct. 1, 1929	Syed Nazir Ahmed	Dt-3191, dated 10-11-33	Feb. 10, 1934.
†025222-23	25,000 each.	Place, Siddons and Gough	Oct. 1, 1932	Messrs. Place, Siddons and Gough.	Dt-1695/66-33, dated 28-6-33.	Aug. 5, 1933.
		Four per cent., 1934-37.				
D004997	100	The Imperial Bank of India.	Aug. 1, 1929.	Janki Pershad & Sons	Dt-2562, dated 11-10-30.	Feb. 21, 1931.
G000286	1,000	Ditto	Ditto	The Chairman, Municipal Board, Cawnpore.	Dt-2651, dated 21-10-32.	Feb. 18, 1933.

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‡Full Notes—Duplicates issued without usual formalities.
**Half Note—Duplicate issued.
†Half Note—Payment made without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28, and 29 of G. I., F. D., Notn. No. 413-A. / D/2241-F., dated 3-7-20. / 18-2-35	Date of publication, under A X of 1920, of list in which Security was first mentioned.
	Rs.					
		Four per cent., 1960-70.				
B001581 / BY008304	5,000	The Hong Kong and Shanghai Banking Corporation.	Mar. 15, 1934	Vaikunthlal Vajiram Mehta.	Dated 10-12-35 I/1221.	Mar. 9, 1936.
**B008076 / BY008311	1,000	Kapilagaori	Ditto	Ditto	Dated 11-12-35 I/1236.	Ditto.
B008743 / BY024401	5,000	The Bank of India, Ltd.	Mar. 15, 1933	Dinoo D. Watcha & Nurges D. Watcha or either of them.	Dt-470, dated 24-2-34	Oct. 27, 1934.
B008752 / BY024403	1,000	The P. & O. Banking Corporation, Ltd.	Ditto	Ditto	Ditto	Ditto.
B008798-99 / BY024415-16	100 each.	The Bank of India, Ltd.	Ditto	Ditto	Ditto	Ditto.
B008803 / BY024417	500	Ditto	Ditto	Ditto	Ditto	Ditto.
B015791 / BY034977	1,000	The Imperial Bank of India.	Mar. 15, 1934	Hans Kumar	Dated 15-7-35 I/1209.	Aug. 17, 1935.
F023656/59 / CA007244/47	500 each.	Ditto	Mar. 15, 1935	Dr. Kshetra Mohan Gupta, M.B., M.R.A.S.	Dated 10-3-36 I/1222.	Aug. 29, 1936.
J012314 / DH007238	10,000	The Controller of the Currency.	Sep. 15, 1934	Rai Bahadur Kharag Jit Misra.	Dated 7-8-35 I/1204.	Mar. 9, 1936.
000488 / DH008947	400	The Accountant-General, Posts and Telegraphs.	Mar. 15, 1929	Sadanand	Dt-2255/183—32, dated 3-9-32.	Feb. 18, 1933.
005361 / DH008984	100	Ditto	Ditto	Ditto	Ditto	Ditto.
014780 / CA019438	1,000	Prosad Das Boral & Bros.	Mar. 15, 1934	Shudangsu Kumar Mitra.	Dt-2944, dated 20-12-34.	Mar. 16, 1935.
		Four per cent. Cawnpore-Achneyra Section of the Rajputana-Malwa Railway Debenture.				
000398	200	Rup Kishore and Jamna Kuar.	Jan. 1, 1898	Jamna Kuar	876/D, dated 30-1-08	Feb. 6, 1926.
		Four per cent. Cawnpore-Farruckabad Railway Debenture.				
000256	1,000	Choube Sadhari Lal	July 1, 1880	Collector of Cawnpore.	760/D, dated 18-8-1894	Feb. 28, 1895.
		Four and half per cent., 1879.				
029225	100	Hurray Kristo Dutt	Mar. 15, 1892	Upendra Nath Ghosh.	Dated 17-1-36 I/1239.	Mar. 9, 1936.
		Four and half per cent., 1955-60.				
D004990 / CA001120	100	The Imperial Bank of India.	Mar. 15, 1931	Prokash Chandra Chatterjee.	Dt-3161, dated 8-12-32	Feb. 18, 1933.
F003288 / BY004774	500	Ditto	Sep. 15, 1930	Jadav Bai	Dt-3153, dated 7-12-32	Ditto.
G000429 / BY004843	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
H001257 / MS000950	5,000	Ditto	Sep. 15, 1934	Messrs. Pancharatnam Thyreum Rajaratnam Thyreum.	Dated 10-7-36 I/1274.	Aug. 29, 1936.
004080 / CA005303	5,000	The Reserve Bank of India.	Sep. 15, 1935	The Director General, Department of Commerce, Jhinsi, Adda Singha Darbar, Katmandu, Nepal.	Dated 11-5-36 I/1258.	Ditto.

** Partially destroyed Note—Duplicate issued.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D/2241-F. dated 3-7-20./18-2-35.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
	Rs.	**Five per cent., 1929-47.**				
‖TS205	900	The Commissioner, Orissa Division.	Aug. 15, 1917	The Commissioner, Orissa Division.	Dt-1071/158—32, dated 29-4-32.	Aug. 13, 1932.
007962	2,500	Kanshi Ram and Lachmi or either.	Aug. 15, 1918	Deoki Nandan Sood and Rattan Lall Sud.	Dt-2894, dated 12-10-33.	Feb. 10, 1934.
013077	175	The Accountant General, Posts and Telegraphs.	Aug. 15, 1917	Bai Reva	Dated 3-4-35 I/1193.	Aug. 17, 1935.
013350	1,500	Ditto	Aug. 15, 1922	Brij Mohan Singh	Dt-907/151—32, dated 5-4-32.	Aug. 13, 1932.
018175	200	Ditto	Aug. 15, 1925	Dina Nath	Dt-94/126—33, dated 12-1-33.	Feb. 18, 1933.
018184	500	Ditto	Feb. 15, 1926	Jugan Rai	Dt-288, dated 5-2-34	Oct. 27, 1934.
019768	400	Ditto	Ditto	Manmatha Nath Misra.	Dt-101, dated 15-1-35	Mar. 16, 1935.
019769	500	Ditto	Ditto	Mohini Mohan Misra.	Dt-102, dated 15-1-35	Ditto.
[illegible]083	4,000	Raja D. Sudhal Deb	Aug. 15, 1918	Raja Ram Chandra Deb *alias* Mohini Mohan Deb.	Dated 30-5-36. I/187.	Aug. 29, 1936.
022084	4,000	Ditto	Ditto	Ditto		
022105	2,000	Ditto	Ditto	Ditto		
—025870	100	Kirtinath Barooah	Aug. 15, 1924	Kirtinath Barooah	Dt-1891, dated 22-8-34	Mar. 16, 1935.
027424	500	Debendra Nath Banerji	Aug. 15, 1927	Robindra Nath Banerji, Amarendra Nath Banerji and Atindra Nath Banerji, minors under the guardianship of Kiran Shashi Debi.	Dt-2591, dated 10-11-34.	Ditto.
035387	500	Kanta Lal Das	Ditto	Gopiram Brahmin	Dated 7-8-1935 I/1155.	Mar. 9, 1936.
036246	100	The Bank of Bengal	Feb. 15, 1919	Kali Das Mukherjee	Dated 31-8-36 I/1179.	Feb. 27, 1937.
036817	100	Ditto	Aug. 15, 1927	The Manager, Court of Wards, Estate Kartarpur.	Dt-151, dated 22-1-35. I/1149.	Aug. 17, 1935.
037020	200	Debendra Nath Banerji	Ditto	Robindra Nath Banerji, Amarendra Nath Banerji and Atindra Nath Banerji, minors under the guardianship of Kiran Shashi Debi.	Dt-2591, dated 10-11-34.	Mar. 16, 1935.
039502	500	The Accountant General, Posts and Telegraphs.	Feb. 15, 1926	The Sargodha Central Co-operative Bank, Ltd.	Dated 15-7-36 I/1243.	Feb. 27, 1937.
041834	500	The Controller of the Currency.	Aug. 15, 1927	The Manager, Court of Wards, Estate Kartarpur.	Dt-151, dated 22-1-35. I/1149.	Aug. 17, 1935.
042442	300	Ditto	Ditto	Ditto.		Ditto.
043068	400	Ditto	Ditto	Ditto		Ditto.
043072	100	The Controller of the Currency.	Aug. 15, 1923	Wali Mohammad Khan.	Dated 8-4-37 I/890.	Aug. 28, 1937.
043320	4,200	The Imperial Bank of India.	Feb. 15, 1930	Bonowari Jitendra Deb and Bonoari Surendra Deb.	Dated 19-6-35 I/982.	Aug. 17, 1935.
044903	1,000	Jagdish Saran	Aug. 15, 1930	Jagdish Saran	Dt-2866, dated 10-10-33.	Feb. 10, 1934.
047089	100	The Imperial Bank of India.	Aug. 15, 1928	The Sheikhupura Co-operative Mortgage Bank, Ltd.	Ditto	Mar. 16, 1935.

‖ Tempy. Scrip—Bearer Bonds issued.
—Partially destroyed Note—Payment made without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A. / D/2241-F., dated 3-7-20 / 18-2-35.	Date of publication, under Act X of 1920, of in which the Security was first mentioned.
	Rs.	**Five per cent., 1929-47—*contd.***				
048727/28	100 each.	The Imperial Bank of India.	Aug. 15, 1928	The Sheikhupura Co-operative Mortgage Bank, Ltd.	Dt-2866, dated 10-10-33.	Mar. 16, 1935
050656	7,500	The District Board, Cawnpore.	Feb. 15, 1930	The Chairman, District Board, Cawnpore.	Dt-2253, dated 16-8-33.	Feb. 10, 1934
054736/37	1,000 each.	The Imperial Bank of India.	Aug. 15, 1928	The Sheikhupura Co-operative Mortgage Bank, Ltd.	Dt-2077, dated 11-9-34.	Mar. 16, 1935
055014	500	Ditto	Ditto	Ditto	Ditto	Ditto.
055212/13	100 each.	Bon Behari Boral	Feb. 15, 1933	Bilqis Fatma	Dt-254, dated 31-1-34	Oct. 27, 1934
055277	1,000	The Imperial Chemical Industries (India), Ltd.	Ditto	Ditto	Ditto	Ditto.
055329	5,000	Durgesh Nandini Dasi	Ditto	Ditto	Ditto	Ditto.
055331/32	1,000 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
B011853	100	Tulsidas Ramjee	Feb. 15, 1930	The Divisional Forest Officer, W. D., Kanara.	Dt-20, dated 4-1-34	Feb. 10, 1934
B011987	100	Chhiba Bhana	Feb. 15, 1932	Chhiba Bhana	Dated 5-12-35 I/1230.	Mar. 9, 1936
		Five per cent., 1933.				
*B006981	100	The Imperial Bank of India.	Mar. 1, 1932	The Bombay Electric Supply and Tramways Co., Ld.	Dt-3255/96—32, dated 16-12-32.	Feb. 18, 1933
G005116—25	1,000 each.	Ditto	Mar. 1, 1931	Mahadeo Prasad	Dt-2319, dated 8-9-31	Feb. 6, 1932
H001835—38	5,000 each.	The Bank of Bombay	Ditto	Ditto	Ditto	Ditto.
J001291/92	10,000 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
001200	2,000	Begg, Dunlop & Co., Ld.	Ditto	Surendra Nath Pal	Dt-110, dated 13-1-32	Ditto.
001299-301	100 each.	The Imperial Bank of India.	Mar. 1, 1927	Miss Ratanbai Maneckji Kapadia.	Dt-1264, dated 30-5-29.	Aug. 17, 19[illegible]
005608	1,000	Basanta Kumar Chatterjee.	Mar. 1, 1931	Surendra Nath Pal	Dt-110, dated 13-1-32	Feb. 6 1932
005904-08	100 each.	The Bank of India, Ltd.	Sep. 1, 1930	Anantoram Dey	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932
006695	1,500	Prosad Das Boral & Bros.	Mar. 1, 1931	Surendra Nath Pal	Dt-110, dated 13-1-32	Feb. 6, 1932
006700	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
006703	500	Ditto	Ditto	Ditto	Ditto	Ditto.
		Five per cent., 1935.				
D007640-41	100 each.	The Imperial Bank of India.	Mar. 15, 1932	Jadu Nath Dey	Dt-2996, dated 21-11-32	Feb. 18, 1933
F004518	500	Ditto	Mar. 15, 1935	Krishna Prasad Bhargava.	Dated 4-3-36 I/1232.	Aug. 29, 1936
G006493/94	1,000 each.	Ditto	Sep. 15, 1933	Rai Saheb Dr. Sudhir Kumar Sen.	Dt-1969, dated 30-8-34	Mar. 16, 1935
G006839/40	1,000 each.	Ditto	Mar. 15, 1935	Krishna Prasad Bhargava.	Dated 4-3-36 I/1232.	Aug. 29, 1936

* Full Notes—Duplicates issued without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. $\frac{413\text{-A.}}{D/2241\text{-F.}}$, dated $\frac{3\text{-7-20}}{18\text{-2-35}}$.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
	Rs.	**Five per cent., 1939-44.**				
000093 .	2,000	Prosad Das Boral & Bros.	July 15, 1932	Nani Bala Devi .	Dt.-517, dated 22-2-23 .	Aug. 5, 1933.
000807 . .	3,000	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
006252 . .	500	The Imperial Bank of India.	Jan. 15, 1934	Lakshmi Devi .	Dt-2791, dated 5-12-34 .	Mar. 16, 1935.
005271 . .	1,000	Ditto . .	Jan. 15, 1931	Chabildas Damodar Dwarkadas, Vallabhdas, Nagindas Madhabji and Maganlal Ishwarlal or any three of them.	Dt.-2254, dated 16-8-33 .	Feb. 10, 1934.
005706-07 .	1,000 each.	Ditto . .	Jan. 15, 1933	Mr. William Lindsay Smith and Mrs. Alice Isabella Harriet Smith or either of them.	Dt.-3099, dated 2-11-33.	Ditto.
013187-88 .	1,000 each.	The Dy. Controller of the Currency, Bombay.	July 15, 1929	The Divisional Forest Officer, W. D., Kanara.	Dt.-20, dated 4-1-34 .	Ditto.
013759/66 .	1,000 each.	The Imperial Bank of India.	Jan. 15, 1934	Lakshmi Devi .	Dt-2791, dated 5-12-34 .	Mar. 16, 1935.
		Five per cent., 1940-43.				
E001918 .	200	The Accountant-General, Burma.	Oct. 1, 1932	The Imperial Bank of India.	Dt.-3100/98—32, dated 1-12-32.	Feb. 18, 1933.
002844 .	10,000	Ditto .	Ditto .	Ditto . .	Ditto . .	Ditto.
P001108—12 .	1,00,000 each.	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
		Five per cent., 1945-55.				
015996-99 .	1,000 each.	The Imperial Bank of India.	Apl. 15, 1932	Govind Ramchandra Kanitkar.	Dt.-445, dated 21-2-34 .	Oct. 27, 1934.
136 . .	1,000	V. P. Kanhere . .	Apl. 15, 1928	V. P. Kanhere .	Dt.-731, dated 13-3-33 .	Aug. 5, 1933.
038242 . .	1,000	The Poona Central Co-operative Bank, Ld.	Apl. 15, 1930	R. K. Phadke .	Dt.-1243, dated 19-5-31 .	Aug. 1, 1931.
046507-08 .	500 each.	E. Fialho and Olive Fialho or either.	Ditto .	E. Fialho and Olive Fialho or either.	Dt.-1276/161—32, dated 27-5-32.	Aug. 13, 1932.
060597 . .	5,000	Vajiram Manibhai and Biharilal Vajiram or either.	Apl. 15, 1934	Vaikunthlal Vajiram and Chhotigaori Vajiram or either of them.	Dated 10-12-35 . . I/1220.	Mar. 9, 1936.
060598 . .	5,000	Vajiram Manibhai Mehta and Biharilal Vajiram or either.	Ditto .	Ditto .	Ditto . . .	Ditto.
069987 .	500	The Imperial Bank of India.	Oct. 15, 1936	The Imperial Bank of India.	Dated 20-7-37 . . I/1357.	Aug. 28, 1937.
070008 .	1,000	Ditto .	Ditto .	Ditto .	Ditto . .	Ditto.
77628 . .	500	D. R. Simpson & Co. .	Oct. 15, 1935	R. D. Master and Dinamae R. Master.	Dated 17-8-36 . . I/1293.	Feb. 27, 1937.
77784 . .	1,000	The Bank of India, Ld.	April 15, 1933	Dewan Bahadur Kesrisingh Chandmal.	Dated 5-6-37 . . I/1354.	Aug. 28, 1937.

§ Partially destroyed Notes—Duplicates issued.
† Full Notes—Duplicates issued without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A. / D/2241-F.' dated 3-7-20 / 18-2-35.	Date of publication, under ... X of 1920, of ... in which the Security was first mentioned.
		Five per cent., 1945-55—*contd.*				
	Rs.					
D008512	100	The Accountant-General, Burma.	Apl. 15, 1923	Maung Si Bin	Dt.-748, dated 3-4-34	Oct. 27, 1934
D011251.	100	The Bank of Bombay	Oct. 15, 1923	Mgr. Manuel Xavier Gomes, Victoria Rowe and Irene Ferro.	Dated 20-5-37 I/1329.	Aug. 28, 1937
D013134	100	The Accountant-General, Bengal.	Oct. 15, 1919	Messrs. Kaniram Mahadeb.	Dt.-1154, dated 2-6-30	Aug. 2, 1930
D018895	100	The Accountant-General, Punjab.	Oct. 15, 1924	Baru	Dated 9-9-36 I/1068.	Feb. 27, 1937
D019034	100	Ditto	Oct. 15, 1922	Des Raj	Dated 31-3-36 I/974.	Aug. 29, 1936
D024245	100	The Accountant-General, Posts and Telegraphs.	Ditto	Baxiram Ramjidas	Dt.-1414, dated 10-6-31	Aug. 1, 1931
D024780-82	100 each.	The Bank of Bombay	Oct. 15, 1929	Pirthi Raj	Dt.-749/143—32, dated 15-3-32.	Aug. 13, 1932
D025418	100	The Accountant-General, Posts and Telegraphs.	Oct. 15, 1928	Messrs. Jessop & Co., Ld.	Dt.-2656, dated 13-9-33	Feb. 10, 1934
D026590	100	The Bank of Bombay	Oct. 15, 1929	Pirthi Raj	Dt.-749/143—32, dated 15-3-32.	Aug. 13, 1932
D027231	100	Ditto	Ditto	Ditto	Ditto	Ditto.
D027236	100	Ditto	Ditto	Ditto	Ditto	Ditto.
D027241	100	Ditto	Ditto	Ditto	Ditto	Ditto.
D027244	100	Ditto	Ditto	Ditto	Ditto	Ditto.
E003992.	200	The Accountant-General, Bengal.	Ditto	Messrs. Kaniram Mahadeb.	Dt.-1154, dated 2-6-30	Aug. 2, 1930
E004869.	200	The Comptroller, Assam	Oct. 15, 1925	The Karimganj Co-operative Town Bank, Ltd.	Dated 1-10-36 I/846.	Feb. 27, 1937
E007392/93	200 each.	The Accountant-General, Punjab.	Oct. 15, 1924	Amar Nath	Dated 11-1-37 I/1262.	Ditto.
E007591.	200	Ditto	Ditto	Ditto	Ditto	Ditto.
E007990-91	200 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
E008035.	200	Ditto	Oct. 15, 1919	Shankar Dass, Nulkh Raj and Ganga Ram.	Dated 21-3-36 I/1122.	Aug. 29, 1936
E009448-49	200 each.	The Accountant-General, Posts and Telegraphs.	Oct. 15, 1928	Messrs. Jessop & Co., Ld.	Dt.-2656, dated 13-9-33	Feb. 10, 1934
E010644.	200	The Imperial Bank of India.	Oct. 15, 1931	Sashi Bhusan Bosu	Dt.-3174, dated 8-11-33.	Ditto.
F004479.	500	The Accountant-General, United Provinces.	Oct. 15, 1919	Nawal Kishore Singh	Dt.-175, dated 20-1-32	Feb. 6, 1932
F007118.	500	The Accountant-General, Punjab.	Oct. 15, 1924	Baru	Dated 9-9-36 I/1068.	Feb. 27, 1937

Five per cent., 1945-55—*contd.*

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A. / D/2241-F., dated 3-7-20 / 18-2-35.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
	Rs.					
017805	500	The Imperial Bank of India.	Oct. 15, 1931	Sashi Bhusan Bosu	Dt.-3174, dated 8-11-33	Feb. 10, 1934.
029338	500	Ditto	Ditto	Ditto	Ditto	Ditto.
003394-403	1,000 each.	Ditto	Apl. 15, 1922	Motilal Multan Chand.	Dt.-1217, dated 9-5-33	Aug. 5, 1933.
038478	1,000	Ditto	Oct. 15, 1930	Anantoram Dey and Tarapada Dey or either.	Dt.-891/149—32, dated 4-4-32.	Aug. 13, 1932.
049918	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
07419	100	Gida Singh	Apl. 15, 1923	Lakha Singh and Isar Singh.	Dt.-2320, dated 8-9-31	Feb. 6, 1932.
007698-99	1,000 each.	The Accountant-General, Posts and Telegraphs.	Oct. 15, 1923	Taraprasanna Guha	Dt.-146, dated 22-1-35 I/1169.	Aug. 17, 1935.
842	100	The Imperial Bank of India.	Oct. 15, 1927	Sardar Harnam Singh.	Dt.-411, dated 16-2-31	Aug. 1, 1931.
10110	500	Ditto	Oct. 15, 1931	Sashi Bhusan Bosu	Dt.-3174, dated 8-11-33	Feb. 10, 1934.
10111	500	Prosad Das Boral & Bros.	Ditto	Binoda Moyee Dassi (Basu).	Dt.-3167, dated 7-11-33	Ditto.
10117	100	Prosad Das Boral & Bros.	Ditto	Binoda Moyee Dassi (Basu).	Dt.-3167, dated 7-11-33	Ditto.
10119	100	Prosad Das Boral & Bros.	Ditto	Binoda Moyee Dassi (Basu).	Dt.-3167, dated 7-11-33	Ditto.
10582-83	1,000 each.	Ditto	Ditto	Sashi Bhusan Bosu	Dt.-3174, dated 8-11-33	Ditto.
11848	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
15196-97	500 each.	The Accountant-General, Posts and Telegraphs.	Oct. 15, 1930	Anantoram Dey	Dt.-946/153—32, dated 11-4-32.	Aug. 13, 1932.
92	1,000	Prosad Das Boral & Bros.	Ditto	Ditto	Ditto	Ditto.
5498-99	1,000 each.	Ditto	Ditto	Anantoram Dey and Tarapada Dey or either.	Dt.-891/149—32, dated 4-4-32.	Ditto.
5506	500	Ditto	Ditto	Tarapada Dey	Dt.-945/152—32, dated 9-4-32.	Ditto.
6117	500	Ditto	Oct. 15, 1931	Sashi Bhusan Bosu	Dt.-3174, dated 8-11-33	Feb. 10, 1934.
7433	1,000	The Imperial Bank of India.	Oct. 15, 1935	The District Magistrate, Tippera (through the Secretary, Comilla Victoria College), Comilla, Tippera.	Dated 21-12-36 I/1302.	Feb. 27, 1937.
727	200	The Allahabad Bank, Ld.	Oct. 15, 1930	Anantoram Dey	Dt.-946/153—32, dated 11-4-32.	Aug. 13, 1932.
758	500	Prosad Das Boral and Bros.	Ditto	Ditto	Ditto	Ditto.

* Hal Note—Issue of duplicate authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A. / D/2241-F., dated 3-7-20 / 18-2-35.	Date of publication, under Act X of 1920, of [the Gazette] in which the Security was first mentioned.
		Five per cent., 1945-55—*concld.*				
	Rs.					
024466	500	The Accountant-General, Posts and Telegraphs.	Oct. 15, 1930	Anantoram Dey	Dt.-946/153—32, dated 11-4-32.	Aug. 13, 193
028265	500	The Imperial Bank of India.	Oct. 15, 1931	Binoda Moyee Dassi (Basu).	Dt.-3167, dated 7-11-33.	Feb. 10, 193
029196	10,000	Makhan Lal Mallick	Apl. 15, 1935	Hari Narayan Sen	Dated 3-2-36 I/1226.	Aug. 29, 193
030649	500	The Imperial Bank of India.	Oct. 15, 1931	Sashi Bhusan Bosu	Dt.-3174, dated 8-11-33.	Feb. 10, 193
033443	1,000	Pulin Behari Pal	Ditto	Ditto	Ditto	Ditto.
033678	500	Prosad Das Boral & Bros.	Apl. 15, 1934	Mst. Bilqis Fatma	Dated 30-1-36 I/1174.	Aug. 29, 193
036967	1,000	The National Bank of India, Ltd.	Apl. 15, 1935	Nakuleswar Chatarji	Dated 5-6-37 I/1266.	Aug. 28, 193
041537/38	10,000 each.	Prosad Das Boral & Bros.	Apl. 15, 1935	Hari Naryan Sen	Dated 3-2-36 I/1226.	Aug. 29, 19
041661-62	500 each.	Ditto	Oct. 15, 1930	Anantoram Dey	Dt.-946/153—32, dated 11-4-32.	Aug. 13, 193
041663	500	Ditto	Ditto	Tarapada Dey	Dt.-945/152—32, dated 9-4-32.	Ditto.
046510	100	The Imperial Bank of India.	Oct. 15, 1933	Promotha Nath Tahabildar.	Dated 14-1-36. I/1225.	Mar. 9, 193
048549	500	Jagan	Apl. 15, 1930	Jagan	Dt.-299/133—32, dated 29-1-32.	Aug. 13, 19
048550	100	Ditto	Ditto	Ditto	Ditto	Ditto.
048843	200	Sm. Suhasini Dasi	Apl. 15, 1932	Sm. Suhasini Dasi	Dt.-446, dated 5-3-35. I/1177.	Aug. 17, 19
048918	100	The Imperial Bank of India.	Oct. 15, 1933	Promotha Nath Tahabildar.	Dated 14-1-36 I/1225.	Mar. 9, 193
052749	500	Nando Lall Dutt	Oct. 15, 1932	Nando Lall Dutt	Dated 9-9-36 I/1279.	Feb. 27, 19
052750	200	Ditto	Ditto	Ditto	Ditto	Ditto.
052751	100	Ditto	Ditto	Ditto	Ditto	Ditto.
053807	5,000	The Imperial Bank of India.	Oct. 15, 1929	Dwarkadas Gopichand, Govindram Gopichand and Murlidhar Gopichand.	Dated 1-4-37 I/1335.	Aug. 28, 19
056031	5,000	Prosad Das Boral & Bros.	Oct. 15, 1934	Rai Bahadur Kharag Jit Misra.	Dated 7-8-35 I/1204.	Mar. 9, 19
060190	1,000	Debendra Nath Parui	Ditto.	Debendra Nath Parui.	Dated 7-9-35 I/1211.	Ditto.
		Five and half per cent., 1920.				
‡TS3663	100	Ram Singh (Lunatic)	Aug. 15, 1918	Ram Singh (Lunatic), through his guardian Rur Singh.	Dt.-894, dated 28-3-33	Aug. 5, 19
†TS7719	500	Mysing Megraj	Ditto	Mysing Megraj	Dt.-515/75—23, dated 22-2-23.	Feb. 6, 19
043192	5,000	Surjan Das	Ditto	Sant Ram Hakim	Dt.-512/137—32, dated 19-2-32.	Aug. 13, 1
*044896	300	The Accountant-General, Posts and Telegraphs.	Aug. 15, 1917	Krishnarao Laxmanrao Holkar.	Dt.-3676, dated 2-12-31.	Feb. 6, 19
047047	1,200	Messrs. Surajmal Srikishen.	Aug. 15, 1917	Basanti Debi	Dated 5-7-37 I/347.	Aug. 28, 1
*050375	200	The Accountant-General, Posts and Telegraphs.	Ditto	Jagannath Prasad and Balbadra Krishna.	Dt.-2055, dated 16-8-32.	Feb. 18, 1

‡ Temporary Scrip—Payment made.
† Temporay Scrip—Issue of payment order authorised.
* Full Note—Payment made without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. $\frac{413\text{-A.}}{\text{D/2241-F.}}$, dated $\frac{3\text{-7-20}}{18\text{-2-35}}$.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
			Five and half per cent., 1920—*contd.*			
	Rs.					
**052858 . .	100	The Accountant-General, Posts and Telegraphs.	Aug. 15, 1917	Lahbor Keot Gaonbura.	Dt.-1591, dated 16-7-34 .	Oct. 27, 1934.
=055036 .	300	Ditto .	Ditto .	The Director General, Posts and Telegraphs.	Dated 22-4-37 I/1310. . .	Aug. 28, 1937.
059625 . .	200	Bahadur Singh and Munshi Singh.	Feb. 15, 1918	Bahadur Singh .	Dt.-2229, dated 31-8-32 .	Feb. 18, 1933.
059899 . .	1,000	M. G. Saptarshi . .	Aug. 15, 1919	M. G. Saptarshi .	Dt.-2678, dated 24-10-32	Ditto.
065871 . .	25	The Accountant-General, Posts and Telegraphs.	Aug. 15, 1917	Gurmukhdas Bhagchand.	Dt.-904, dated 29-3-33 .	Aug. 5, 1933.
066042 . .	100	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
075796	400	Ditto . .	Ditto .	Taj Mohd. Khan .	Dt.-2300, dated $\frac{14}{15}$-11-27	Feb. 11, 1928.
078305 .	200	Ditto . .	Feb. 15, 1919	Gurdasmal . .	Dt.-2817, dated 3-12-25.	Feb. 6, 1926.
=079744.	100	Ditto .	*Nil.*	The Director-General, Posts and Telegraphs	Dated 11-11-35. . . RA602/35.	Mar. 9, 1936.
081390 . .	100	Ditto . .	Feb. 15, 1919	Gurdasmal . .	Dt-2817, dated 3-12-25 .	Feb. 6, 1926.
086321 . .	100	The Bank of Bengal .	Ditto .	Asvini Kumar Maitra.	Dt.-830, dated 22-3-33 .	Aug. 5, 1933.
‡089963-66 .	100 each.	The Accountant-General, Kashmir State.	Aug. 15, 1917	The Imperial Bank of India.	Dt.-1641/31-34, dated 24-7-34.	Oct. 27, 1934.
103215 . .	100	The Bank of Madras .	Feb. 15, 1919	Sheikh Muhammad Sahib.	Dt.-2752, dated 27-10-32	Feb. 18, 1933.
106559 . .	100	Maung Hpan Tha .	Feb. 15, 1918	Maung Hpan Tha .	Dt.-2180, dated 24-9-34 .	Mar. 16, 1935.
107201 . .	200	Nala Mamud Bepari .	Ditto .	Mohammad Mobarak Ali Bepari, Mohammad Umar Ali Bepari and Mohammad Umed Ali Bepari.	Dated 12-4-37 . . I/1318.	Aug. 28, 1937.
114381 . .	100	Miss I. Durham . .	Aug. 15, 1918	Miss I. Durham .	Dt.-58, dated 11-1-34 .	Feb. 10, 1934.
114407 . .	500	} Kali Mamud Talukdar	Feb. 15, 1919	Basiranessa Bibi and others.	Dt.-2180, dated 10-8-33 .	Ditto.
114409 . .	100					
114550 . .	100	Kunja Behari Kar .	Feb. 15, 1918	Kunja Behari Kar .	Dt.-917/106—24, dated 17-4-24.	Aug. 23, 1924.
123404 . .	100	Asrafuddin Mia, Abdul Gani Haji and Momin Bepari.	Ditto .	Asrafuddin Mia, Abdul Gani Haji and Momin Bepari.	Dt.-1701/245—26, dated 16-7-26.	Feb. 5, 1927.
‡134750 . .	100	Miss H. C. Mackichan .	Feb. 15, 1920	Miss Helen Craig Mackichan.	Dt.-3072, dated 30-10-33	Feb. 10, 1934.

** Partially destroyed Note—Payment made without usual formalities.
= Full note—Amount cancelled and written off by credit to the head "Account Current between India and Post Office".
‡ Payment made without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D/2241-F., dated 3-7-20/18-2-35.	Date of publication, under Act X of 1920, of in which the Security was first mentioned.

Five and half per cent., 1921.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders	Date of publication
	Rs.					
A000169	25	The Accountant-General, Posts and Telegraphs.	Sep. 15, 1920	J. E. Eede & Mrs. C. H. Eede.	Dt.-182, dated 25-1-34.	Oct. 27, 1934.
A025335-36	25 each.	Ditto	Mar. 15, 1919	Seth Tarachand Bhura.	Dt.-762, dated 16-3-32	Aug. 13, 1932.
A029486	25	Ditto	Ditto	Ditto	Ditto	Ditto.
A029523	25	Ditto	Ditto	Ditto	Ditto	Ditto.
A029531-32	25 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
C003825	50	Ditto	Sep. 15, 1918	Hari Ram Talwar	Dt.-749, dated 24-3-31	Aug. 1, 1931.
C013018	50	Ditto	Ditto	Mr. Kahna	Dated 11-2-36 I/1206.	Aug. 29, 1936.
D001200	100	The Accountant General, Bombay.	Ditto	Bhakti Das Halochand.	Dt.-2986/78—23, dated 13-11-23.	Mar. 1, 1924.
D002468	100	The Accountant-General, Bihar and Orissa.	Ditto	Messrs. Amiri Lall and Jaldhari Lall.	Dated 24-10-35. I/988.	Mar. 9, 1936.
D002894	100	The Accountant General, Punjab.	Ditto	Banarsidas	Dated 5-1-37 I/392.	Feb. 27, 1937.
D005345	100	The Bank of Madras	Mar. 15, 1920	Ouseph Ouseph	Dt.-1537, dated 8-6-33	Aug. 5, 1933.
D006150	100	The Bank of Bengal	Sep. 15, 1918	Maung Lu Pe	Dated 18-9-36 I/1212.	Feb. 27, 1937.
D006151	100	Ditto	Ditto	Ma San Hmon	Dated 12-4-37 I/1214.	Aug. 28, 1937.
D006152	100	Ditto	Ditto	Maung Ye Gyan	Dated 18-9-36 I/1210.	Feb. 27, 1937.
D013968	100	The Accountant-General, Burma.	Ditto	Miss I. Durham	Dt.-58, dated 11-1-34	Feb. 10, 1934.
D015618	100	The Accountant General, Punjab.	Ditto	Hashmat Ali (minor) through his guardian Mohammad Ali.	Dated 7-12-36 I/1238.	Feb. 27, 1937.
D016972	100	The Accountant-General, Burma.	Ditto	Ma Aung	Dt.-680, dated 18-3-31	Aug. 1, 1931.
D017015	100	Ditto	Ditto	Mrs. Gertrude Joseph.	Dt.-2586, dated 18-9-31	Feb. 6, 1932.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D./2241-F.' dated 3-7-20./18-2-35	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
		Five and half per cent., 1921—*contd.*				
	Rs.					
D018345 .	100	The Accountant General, Burma.	Sep. 15, 1918	Sao Shwe Thaike, Administrator to the estate of Sir Sao Maung.	Dt.-417, dated 13-2-33 .	Aug. 5, 1933.
D026935 .	100	The Accountant-General, Posts and Telegraphs.	Ditto .	Hari Ram Talwar .	Dt.-749, dated 24-3-31 .	Aug. 1, 1931.
D026999 .	100	Ditto . .	Mar. 15, 1920	Majja Singh . .	Dt.-1275, dated 2-6-26 .	Aug. 7, 1926.
D044327 .	100	Ditto . .	Sep. 15, 1918	Messrs. Beharilal Bhagwandas.	Dt.-752, dated 15-3-33 .	Aug. 5, 1933.
D052268 .	100	The Accountant-General, Madras.	Ditto .	Tiruppakuli Krishnaswamy Iyengar.	Dt.-805/178—28, dated 28-4-28.	Aug. 4, 1928.
D059067 .	100	The Accountant-General, Posts and Telegraphs.	Ditto .	Mr. Kahna . .	Dated 11-2-36 I/1206. . .	Aug. 29, 1936.
E003100 . .	200	The Comptroller, Central Provinces.	Sep. 15, 1920	N. D. Kane . .	Dated 24-10-35 I/571. . .	Mar. 9, 1936.
E003596 . .	200	The Accountant-General, Burma.	Sep. 15, 1918	Moung Lu Pe . .	Dated 18-9-36 I/1212. . .	Feb. 27, 1937.
E015488 . .	200	Ditto . .	Ditto .	Mehar Singh Zailder	Dt.-2181, dated 24-9-34 .	Mar. 16, 1935.
E019287 . .	200	The Accountant-General, Madras.	Ditto .	Dikshidar, M. S. Nageswara Iyer.	Dated 5-1-37 I/1326. . .	Feb. 27, 1937.
E019841 . .	200	The Accountant-General, Punjab.	Ditto .	Messrs. Beharilal Bhagwandas.	Dt.-752, dated 15-3-33 .	Aug. 5, 1933.
E023508 . .	200	The Accountant-General, Posts and Telegraphs.	Ditto .	Messrs. Magniram Chhogalal.	Dated 25-6-36 I/1269. . .	Aug. 29, 1936.
E026553 . .	200	Ditto . .	Ditto .	Mr. Kahna . .	Dated 11-2-36 I/1206. . .	Aug. 29, 1936.
E027013 . .	200	Ditto . .	Mar. 15, 1919	Ram Singh . .	Dt.-1011, dated 10-4-33 .	Aug. 5, 1933.
F003936 . .	500	Ditto . .	Sep. 15, 1918	Nawab Bibi . .	Dt.-1186, dated 31-5-34 .	Oct. 27, 1934.

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		Five and half per cent., 1921—*concld.*				
	Rs.					
F012053	500	The Accountant-General, Posts and Telegraphs.	Sep. 15, 1918	Messrs. Beharilal Bhagwandas.	Dt.-752, dated 15-3-33	Aug. 5, 1933.
G004172	1,000	The Bank of Madras	Mar. 15, 1919	K. B. Siva Rudrappa	Dt.-3114, dated 2-11-33	Feb. 10, 1934.
G014393	1,000	The Bank of Bombay	Sep. 15, 1918	Rao Bahadur Bulakidas Bapuji Trivedi.	Dt.-2004/67—28, dated 22-8-29.	Feb. 22, 1930.
G017248	1,000	The Accountant-General, Punjab.	Ditto	Dharam Singh and Gurdit Singh.	Dated 22-6-35 I/431.	Aug. 17, 1935.
G026198-200	1,000 each.	The Accountant-General, Madras.	Sep. 15, 1920	A. S. N. Sheikh Mahamod Maricair.	Dt.-2917, dated 14-11-32	Feb. 18, 1933.
J001415	10,000	The Accountant-General, Punjab.	Mar. 15, 1919	Rai Bahadur Chowdhury Gurumukh Singh.	Dt.-85/118—24, dated 10-1-25.	Aug. 8, 1925.
013845	100	Baneswar Burman	Sep. 15, 1919	Baneswar Burman	Dated 11-11-36 I/1273.	Feb. 27, 1937.
		Five and half per cent., 1922.				
AM002729	100	....	Aug. 15, 1920	J. E. Eede and Mrs. C. H. Eede.	Dt.-3666, dated 30-12-33.	Feb. 10, 1934.
AM003455-56	100 each.	....	Feb. 15, 1920	Maung Hpo Htauk	Dt.-422, dated 14-2-33	Aug. 5, 1933.
AN000819	500	....	Aug. 15, 1920	J. E. Eede and Mrs. C. H. Eede.	Dt.-3666, dated 30-12-33	Feb. 10, 1934.
027679	525	The Accountant-General, Posts and Telegraphs.	Aug. 15, 1917	Indar Singh	Dt.-973, dated 21-4-31	Aug. 1, 1931.
034570	5,000	Raja D. Sudhal Deb	Aug. 15, 1918	Raja Ram Chandra Deb *alias* Mohini Mohan Deb.	Dated 30-5-36 I/187.	Aug. 29, 1936.
039800	100	The Accountant-General, Posts and Telegraphs.	Aug. 15, 1920	J. E. Eede & Mrs. C. H. Eede.	Dt.-182, dated 25-1-34	Oct. 27, 1934.
040209	300	Ditto	Ditto	Ditto	Ditto	Ditto.
041170	250	Ditto	Feb. 15, 1918	Musammat Bhagwani Kuar.	Dated 6-5-37 I/1256.	Aug. 28, 1937.
057841	2,000	Shahdeo Baksh Singh	Aug. 15, 1920	Achal Singh	Dt.-2623, dated 20-10-32.	Feb. 18, 1933.
069169	1,000	Satya Saran Mitra	Aug. 15, 1921	Sarat Kumari Dasi	Dt.-1104, dated 14-6-28.	Aug. 4, 1928.
069170-71	500 each.	Ditto	Ditto	Ditto	Ditto	Ditto.

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	Rs.		**Five and half per cent., 1928.**			
D000428	100	The Accountant-General, Madras.	Sept. 15, 1918	Karnam Mangiah	Dt.-1917, dated 19-7-33	Feb. 10, 1934.
D001514	100	The Comptroller, Central Provinces.	Ditto	Luxmi Bai	Dt.-2604, dated 18-9-31	Feb. 6, 1932.
D002720	100	The Bank of Bengal	Ditto	Balbhadraram and Kanhaiyalal.	Dt.-1303, dated 13-5-33	Aug. 5, 1933.
D004913	100	The Accountant-General, Posts and Telegraphs.	Mar. 15, 1919	Sumar Chand	Dated 21-12-36 I/1268.	Feb. 27, 1937.
E000163	200	Ditto	Sept. 15, 1918	M. G. Saptarshi	Dt.-2678, dated 24-10-32.	Feb. 18, 1933.
E000511	200	The Comptroller, Central Provinces.	Ditto	Laxmi Bai	Dt.-2604, dated 18-9-31	Feb. 6, 1932.
F000389	500	The Accountant-General, Madras.	Mar. 15, 1920	Srimath Abhinavodhanda Vidya Narasimha Bharati Swamulu Varu.	Dt.-616/141—32, dated 1-3-32.	Aug. 13, 1932.
F007220	500	The Bank of Bengal	Sept. 15, 1923	Tara Chand and Chiman Lal, minors through their guardian Bhagat Har Chand.	Dt.-1845, dated 17-8-34	Mar. 16, 1935.
G003584-85	1,000 each.	Ditto	Sept. 15, 1920	Achal Singh	Dt.-2623, dated 20-10-32.	Feb. 18, 1933.
G021278	1,000	The Accountant-General, Bengal.	Sept. 15, 1922	Abdul Hamid Sardar for self and as guardian of the minors Golam Kibria Sardar and Golam Aspia Sardar.	Dated 4-2-36 I/1096.	Aug. 29, 1936.
G029763	1,000	Ditto	Sept. 15, 1924	C. P. Vaz	Dt.-21, dated 4-1-34	Feb. 10, 1934.
			Five and half per cent., 1938-40.			
**B002581	500	The Imperial Bank of India.	Oct. 1, 1936	The Imperial Bank of India.	Dated 20-7-37 I/1357.	Aug. 28, 1937.
**B002710	500	Ditto	Ditto	Ditto	Ditto	Ditto.
D001576/79	100 each.	Ditto	Apl. 1, 1934	The Hony. Secretary, Oudh and Rohilkhand Railway Employees Co-operative Credit Society Ld.	Dated 7-6-35 I/1189.	Aug. 17, 1935.
G003209/10	1,000 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
H000711	5,000	Ditto	Ditto	Ditto	Ditto	Ditto.

** Duplicate issued without usual formalities.

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	Rs.					
			Six per cent., 1926.			
G020422 . .	1,000	The Imperial Bank of India.	Sept. 15, 1922	Abdul Hamid Sardar for self and as guardian of the minors Golam Kibria Sardar and Golam Aspia Sardar.	Dated 4-2-36 . . I/1096.	Aug. 29, 1936.
			Six per cent., 1927.			
G004718 . .	1,000	The Accountant-General, Posts and Telegraphs.	Apl. 1, 1927 .	Makhan Lall Modak.	Dt.-614/98—30, dated 1-3-32.	Aug. 13, 1932.
			Six per cent., 1930.			
*D002158 .	100	The Accountant-General, United Provinces.	Aug. 15, 1920	Sarju Prasad Pande.	Dt.-1899/172—32, dated 3-8-32.	Feb. 18, 1933.
D002398 .	100	The Accountant-General, Bihar and Orissa.	Feb. 15, 1930	Sidha Nath Lal .	Dt.-1302, dated 13-5-33 .	Aug. 5, 1933.
D011709-12 .	100 each.	The Bank of Bombay .	Feb. 15, 1929	M. V. Bhat, R. K. Prabhu, A. P. Kamat, M. M. Shanbhag and Sheshgiri Narayan Kamat or any four of them.	Dt.-1283, dated 14-6-34 .	Oct. 27, 1934.
E000449 .	200	The Dy. Controller of the Currency, Bombay.	Ditto .	Ditto . .	Ditto . .	Ditto.
E000696 . .	200	Ditto . .	Feb. 15, 1927	Krishnaji Gundo Desai.	Dt.-3444, dated 12-12-33	Feb. 10, 1934.
E001414 .	200	The Accountant-General, United Provinces.	Aug. 15, 1929	Kumar Krishna Sukhia.	Dt.-2182, dated 24-9-34 .	Mar. 16, 1935.
F001912 . .	500	The Accountant-General, Posts and Telegraphs.	Aug. 15, 1928	Nikhilesh Chandra Das, minor, under the guardianship of Pramatha Nath Das.	Dt.-609/140—32, dated 29-2-32.	Aug. 13, 1932.
F002276 . .	500	The Accountant-General, Bengal.	Feb. 15, 1928	Sarat Kumari Dasi .	Dt.-1104, dated 14-6-28 .	Aug. 4, 1928.
F002307 . .	500	Ditto . .	Aug. 15, 1925	Satish Chandra Roy, Suresh Chandra Roy and Tulsidas Bhattacharjee.	Dt.-2521, dated 15-9-31 .	Feb. 6, 1932.
F005276 . .	500	The Bank of Bombay .	Feb. 15, 1929	M. V. Bhat, R. K. Prabhu, A. P. Kamat, M. M. Shanbhag and Sheshgiri Narayan Kamat or any four of them.	Dt.-1283, dated 14-6-34	Oct. 27, 1934.
F011558 . .	500	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.
F012049 . .	500	The Accountant-General, Madras.	Aug. 15, 1921	V. Srinivasaiyar .	Dt.-1689/192—31, dated 10-7-31.	Aug. 1, 1931.

* Payment made without usual formalities.

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			Six per cent., 1930—*contd.*			
	Rs.					
00697	5,000	The Accountant-General, Bengal.	Aug. 15, 1920	Sarat Kumari Dasi .	Dt.-1104, dated 14-6-28 .	Aug. 4, 1928.
03882 .	5,000	The Accountant-General, Punjab.	Aug. 15, 1929	Nau Nihal Singh .	Dt.-370, dated 14-2-34 .	Oct. 27, 1934.
1040 . .	1,000	The Bank of Bengal .	Aug. 15, 1927	Makhan Lall Modak	Dt.-614/98—30, dated 1-3-32.	Aug. 13, 1932.
972 . .	1,000	Ditto .	Aug. 15, 1920	Must. Wazir Begum and the minor Must. Sardar Begum through her guardian Mohd. Afzal.	Dated 28-5-37 I/1228. . .	Aug. 28, 1937.
5166 . .	1,000	Prosad Das Boral & Bros.	No interest due.	Lalit Kumar Chowdhuri.	Dt.-414/135—32, dated 13-2-32.	Aug. 13, 1932.
7145 . .	1,000	Ditto . .	Aug. 15, 1927	Makhan Lall Modak.	Dt.-614/98—30, dated 1-3-32.	Ditto.
346 . .	1,000	The Imperial Bank of India.	Ditto .	Ditto . .	Ditto . .	Ditto.
399 . .	100	Prosad Das Boral & Bros.	Feb. 15, 1929	Jatindra Nath Sinha	Dt.-809/147—32, dated 23-3-32.	Ditto.
401 . .	100	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
172 . .	100	Nirmal Chandra Sarbadhikary.	Ditto .	Ditto . .	Ditto . .	Ditto.
487 . .	100	Prosad Das Boral & Bros.	Aug. 15, 1929	Ditto . .	Ditto . .	Ditto.
[illegible] . .	500	Grindlay & Co., Ld. .	Ditto .	Ditto . .	Ditto . . 23-3-32.	Ditto.
			Six per cent., 1931.			
01436 . .	1,000	The Accountant-General, Posts and Telegraphs.	Mar. 15, 1928	Miss Georgina de Menezes, minor under the guardianship of Vincent John Victor de Menezes.	Dated 19-10-35 I/160F. . .	Mar. 9, 1936.
999 . .	500	The Imperial Bank of India.	Mar. 15, 1926	Radharani Debi .	Dt.-2255, dated 16-8-33 .	Feb. 10, 1934.
			Six per cent., 1932.			
7295 . .	5,000	The Allahabad Bank, Ltd.	Apl. 1, 1931 .	Arjanlal Ramkishan	Dt.-1912, dated 31-7-31 .	Feb. 6, 1932.
03111 .	5,000	The Controller of the Currency.	Ditto .	The Bettiah Municipality, Bettiah.	Dt.-638, dated 3-3-33 .	Aug. 5, 1933.
098 . .	100	The Accountant-General, Posts and Telegraphs.	Apl. 1, 1929 .	Sadanand and Battoo or either.	Dt.-2255/183—32, dated 3-9-32.	Feb. 18, 1933.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D./2241-F. dated 3-7-20/18-2-35.	Date of [illegible]cation, [illegible] X of 19[illegible] in which Security first [illegible]
			Six per cent., 1933-36.			
	Rs.					
D000635 .	100	The Imperial Bank of India.	Aug. 15, 1931	Hassomal Panjumal Shahani.	Dt.-944, dated 28-4-34 .	Oct. 27, [illegible]
D003142-51 .	100 each.	Ditto . .	Aug. 15, 1932	Hoosein Peerbhoy .	Dt.-1681, dated 27-6-33 .	Aug. 5, [illegible]
F004231 . .	500	Ditto . .	Aug. 15, 1930	Anantoram Dey .	Dt.-946/153—32, dated 11-4-32.	Aug. 11, [illegible]
F009606 . .	500	Ditto . .	Aug. 15, 1931	J. M. Basal . .	Dt.-1993, dated 4-9-34 .	Mar. 16, [illegible]
G004053 . .	1,000	Ditto . .	Ditto .	Ditto . .	Ditto .	Ditto
G009086-87 .	1,000 each.	Ditto . .	Aug. 15, 1930	Anantoram Dey and Tarapada Dey or either.	Dt.-891/149—32, dated 4-4-32.	Aug. 11, [illegible]
G009094 . .	1,000	Ditto . .	Ditto .	Kartik Ram Dey, Anantoram Dey and Tarapada Dey or any one of them.	Dt.-784/144—33, dated 18-3-32.	Ditto
G009117-18 .	1,000 each.	Ditto . .	Ditto .	Tarapada Dey .	Dt.-945/152—32, dated 9-4-32.	Ditto
G009124 . .	1,000	Ditto . .	Ditto .	Anantoram Dey .	Dt.-946/153—32, dated 11-4-32.	Ditto
G012586 . .	1,000	Ditto . .	Feb. 15, 1933	Khan Bahadur Shah Nawaz Khan.	Dt.-2956, dated 17-10-33.	Feb. 10, [illegible]
G018721 . .	1,000	The Deputy Controller of the Currency, Bombay.	Aug. 15, 1930	The Divisional Forest Officer W. D., Kanara.	Dt.-20, dated 4-1-34 .	Ditto
G021830 . .	1,000	The Imperial Bank of India.	Aug. 15, 1931	J. M. Basal . .	Dt.-1993, dated 4-9-34 .	Mar. 16, [illegible]
†G023005 .	1,000	Ditto . .	Ditto .	Jamnadas Morarjee.	Dt.-655/142—32, dated 7-3-32.	Aug. 11, [illegible]
G025969 . .	1,000	Ditto . .	Feb. 15, 1933	Biman Chandra Bose	Dated 24-5-35 . . I/1200.	Aug. 17, [illegible]
H003839-40 .	5,000 each.	Ditto . .	Feb. 15, 1932	Thakurlal Lath .	Dt.-2515/186—32, dated 28-9-32.	Feb. 18, [illegible]
J002917-18 .	10,000 each.	Ditto . .	Ditto .	Ditto . .	Ditto .	Ditto
000736 . .	500	Prosad Das Boral & Bros.	Aug. 15, 1932	Sourendra Mohan Ghose.	Dt.-2632, dated 12-9-33 .	Feb. 10, [illegible]

Six and half per cent., 1935.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders	Date of [illegible]
D003432/33 .	100 each.	The Imperial Bank of India.	Mar. 15, 1935	Krishna Lall . .	Dated 10-1-36 . . I/1233.	Mar. 6, [illegible]
D014430/31	100 each.	The Accountant-General, Posts and Telegraphs.	Sep. 15, 1932	The Punjab Provincial Co-operative Bank, Ltd., Lahore.	Dt.-1469, dated 4-7-34 .	Oct. 27, [illegible]
D014446	100	Ditto . .	Sep. 15, 1934	Bhalchandra Krishnarao Madgakar.	Dated 17-2-36 . . I/1240.	Aug. 2[illegible]

† Half Note—Duplicate issued.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 414-A. / D./2241-F. dated 3-7-20 / 18-2-35.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
			Six and half per cent., 1935—*contd.*			
81 . .	Rs. 200	The Imperial Bank of India.	Sept. 15, 1932	Om Prakash and Dyal Chand, minors under the guardianship of Mst. Dropdi.	Dt.-401, dated 26-2-35 I/1182.	Aug. 17, 1935.
957 . .	200	Ditto . .	Ditto .	Pusparani Devi .	Dated 21-3-36 . . I/1178.	Aug. 29, 1936.
801 .	500	Ditto . .	Mar. 15, 1935	Makhan Lall . .	Dated 5-2-36 . . I/1241.	Ditto.
83 . .	500	Ditto . .	Sep. 15, 1934	Bihari Lal . .	Dated 24-7-36 . . I/1261.	Feb. 27, 1937.
06/07 .	500 each.	Ditto . .	Mar. 15, 1933	Chanan Devi . .	Dt.-1435, dated 29-6-34 .	Oct. 27, 1934.
57 . .	500	Ditto . .	Ditto .	Fardunji Sorabji Kapadia.	Dt.-1005, dated 8-5-34 .	Ditto.
63 .	500	Ditto . .	Ditto .	Simrikh Prasad .	Dt.-3442, dated 12-12-33.	Feb. 10, 1934.
61 . .	500	Ditto . .	Mar. 15, 1932	Malaya Devi . .	Dt.-1119, dated 27-4-33 .	Aug. 5, 1933.
65-66 .	500 each.	Ditto . .	Sept. 15, 1931	Mukunda Rao Panje	Dt.-2700, dated 15-9-33 .	Feb. 10, 1934.
831 .	500	Ditto . .	Mar. 15, 1935	Makhan Lall . .	Dated 5-2-35 . . I/1241.	Aug. 29, 1936.
56 . .	1,000	Ditto . .	Mar. 15, 1933	Simrikh Prasad .	Dt.-3442, dated 12-12-33.	Feb. 10, 1934.
18 . .	1,000	Ditto . .	Mar. 15, 1935	Krishna Lall . .	Dated 10-1-36 . . I/1233.	Mar. 9, 1936.
25 . .	1,000	Ditto . .	Mar. 15, 1933	Prof. Sir Sarvepalli Radhakrishnan.	Dated 2-5-36 . . I/1267.	Aug. 29, 1936.
72 . .	1,000	Ditto . .	Sept. 15, 1932	Om Prakash and Dyal Chand, minors under the guardianship of Mst. Dropdi.	Dt.-401, dated 26-2-35 . I/1182.	Aug. 17, 1935.
02/06 .	1,000 each.	Ditto . .	Mar. 15, 1934	H. E. Vieyra and Miss F. Vieyra or either of them.	Dt.-2247, dated 27-9-34 .	Mar. 16, 1935
39/40 .	1,000 each.	Ditto . .	Mar. 15, 1933	Abdul Razak .	Dt.-2111, dated 17-9-34 .	Ditto.
5 .	1,000 each.	The Treasury Officer, Henzada.	Sept. 15, 1932	The Imperial Bank of India.	Dt.-3100/98—32, dated 1-12-32.	Feb. 18, 1933.
116-20 .	1,000 each.	The Accountant-General, Posts and Telegraphs.	Sept. 15, 1931	The Accountant-General, Posts and Telegraphs.	Dt.-714, dated 10-3-33 .	Aug. 5, 1933.
29/30 .	1,000 each.	Ditto .	Mar. 15, 1934	H. E. Vieyra and Miss F. Vieyra or either of them.	Dt.-2247, dated 27-9-34 .	Mar. 16, 1935.
27 .	5,000	The Imperial Bank of India.	Sep. 15, 1933	Rai Saheb Dr. Sudhir Kumar Sen.	Dt.-1969, dated 30-8-34 .	Ditto.
32 .	5,000	Ditto . .	Sept. 15, 1931	Jyotirmoy Mukerjee	Dt.-2132, dated 8-8-33 .	Feb. 10, 1934.
67 .	5,000	Ditto . .	Sep. 15, 1932	Pusparani Devi .	Dated 21-3-36 . . I/1178.	Aug. 29, 1936.
. .	5,000	Ditto . .	Ditto .	Om Prakash and Dyal Chand, minors under the guardianship of Mst. Dropdi.	Dt.-401, dated 26-2-35. I/1182.	Aug. 17, 1935.

* Full Note—Payment made without usual formalities.
|| Full Notes—Duplicates issued without usual formalities.

R. A. B. ALLAN,
Manager,
Reserve Bank of India, Calcutta.

II F 2

CURRENCY NOTES.

Karachi, the 15th February 1938.

Portions of the following note of the Karachi Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person/party who consider(s) himself/themselves as having a right to it is/are warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
T/30-110396	100	Mr. Rajabally, M.A., Kayoon, c/o Hiptoola & Co., 37, Kokha Bazar, Bombay.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT,
KARACHI.

P. D. CHATTERJEE
Currency Officer.

Calcutta, the 15th February 1938.

Portions of the following note of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person/party who consider(s) himself/themselves as having a right to it is/are warned to communicate at once with the undersigned.

Case No.	Number of Note.	Value.	Name and address of the applicant.
		Rs.	
W.D.-5 of 1938.	T/26-448523	100	Rammoo Mason, Delhi Serai.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT,
CALCUTTA.

S. GUPTA,
Currency Officer.

SURVEY OF INDIA.

Office of the Director, Geodetic Branch.

NOTIFICATION.

Dehra Dun (U. P.), the 17th February 1938.

No. 1.—Mr. Moquimuddin Ansari, B.A., Extra Assistant Superintendent, Survey of India, is granted, under the Fundamental Rules, leave on average pay for 6 days with effect from the 21st February 1938 with permission to prefix to it Sunday, the 20th, and affix Sunday, the 27th, and the gazetted holiday on the 28th February 1938.

G. BOMFORD,
Major, R.E.,
for Director, Geodetic Branch, Survey of India.

OFFICE OF THE ACCOUNTANT GENERAL, POSTS AND TELEGRAPHS.

New Delhi, the 20th February 1938.

Statement showing the amounts realised and paid in each of the Postal Circles on account of Post Office 5-Year Cash Certificates, during December 1937, and the amounts outstanding at the end of the month.

[In thousands of rupees.]

Name of Postal Circle.	Cash realised from sales.	Amount repaid. Principal.	Amount of Principal out-standing.
	Rs.	Rs.	Rs.
Bengal and Assam .	21,36	26,73	11,32,19
Bihar and Orissa .	3,34	4,67	2,30,58
Bombay . .	32,27	42,19	16,42,45
Central . . .	8,21	9,08	4,21,56
Sind and Baluchistan	4,96	6,13	2,63,55
Punjab and N.-W. F.	20,59	28,36	11,26,66
United Provinces	17,02	19,43	8,39,31
Madras . . .	6,28	9,64	3,11,21
Burma . . .	..	3,18	1,27,66
TOTAL Dec. 1937 .	1,14,03	1,49,41	60,95,17
TOTAL Dec. 1936 .	1,07,17	1,19,40	65,38,41
TOTAL Dec. 1935 .	1,44,67	1,35,42	66,34,97

K. R. S. RAU,
Accountant General, Posts and Telegraphs.

DEPARTMENT OF EXPLOSIVES.

NOTIFICATION.

Calcutta, the 16th February 1938.

No. G-15(5)-17.—On return from leave Mr. A. K. Sen, M.Sc., is posted as Inspector of Explosives, West Circle, with headquarters at Bombay with effect from the afternoon of the 28th January 1938, relieving Mr. S. K. Bhavnagri.

Mr. S. K. Bhavnagri, B.A., B.Sc. (Tech.), A.I.C., on being relieved, is appointed as Officiating Inspector of Explosives, South Circle, with effect from the afternoon of the 28th January 1938 *vice* Dr. M. K. Maitra on leave out of India.

G. PEACE,
Chief Inspector of Explosives in India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 26th February 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona 5, the 17th February 1938.

No. G-4611/P-93.—Dr. S. K. Pramanik, M.Sc., (Lucknow), Ph.D. (London), D.I.C., Meteorologist, Calcutta, has been granted leave on average pay from 7th February to 12th March 1938 (both days inclusive), with permission to prefix the gazetted holiday on account of "Sri Panchami" and Sunday on 5th and 6th February 1938 respectively and affix Sunday, the 13th March 1938.

No. G-4645/P-92.—Dr. K. J. Kabraji, B.A. (Hons.), B.Sc. (Bombay), M.Sc., Ph.D. (London), Meteorologist, Poona, who was granted leave on average pay under F. R. 81(*b*) (*ii*) for eight months with effect from the 7th June 1937 in this department Notification No. G-15973/P-92, dated the 1st July 1937, resumed charge of his duties on the forenoon of the 5th February 1938. The leave previously granted to him for the 5th and 6th February 1938 is cancelled.

C. W. B. NORMAND,

Director-General of Observatories.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATION.

New Delhi, the 21st February 1938.

No. 203/An.—Mr. A. R. Langlands, an officer in Class II of the superior staff of the Military Accounts Department has been granted by the High Commissioner for India an extension of furlough on medical certificate for 9 months on half average salary from the 22nd September 1937 to the 21st June 1938 both days inclusive.

M. R. COBURN,

Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

New Delhi, the 18th February 1938.

No. S.-100/1.—Mr. R. C. Vaish, B.Sc., B.E., Assistant Divisional Engineer, Telegraphs, in charge of the Dacca division, is granted leave on average pay out of India, Ceylon or Nepal for 8 months with effect from the 8th April 1938 or the date of relief.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

CONTROLLER OF MILITARY ACCOUNTS,

List of Government Promissory Notes, War Bonds and other Securities in deposit with the Controller of Military Engineering Service and Indian Army

Serial No.	By whom lodged.	3 per cent. G. P. Notes, 1896-97.	3½ per cent. Government Promissory Notes. 1842-43.	1854-55.	1865.	1900-01.	5 per cent. G.P Notes. 1945-55.
1	2	3	4	5	6	7	8
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Regimental Bankers.						
1	Messrs. Grindlay & Co., Ltd.	...	...	...	...	...	...
2	„ Chujjoomull & Sons	...	...	200	...	...	...
3	„ S. Girtharilall & Son	...	...	...	...	...	...
4	„ Deendiyal Kishanlall	...	...	...	...	...	...
5	„ Thomas Cook & Son	...	...	...	...	...	...
6	„ Ramchandra & Son	...	...	...	500	...	...
	M. E. S. Contractors, Store-keepers, etc.						
7	Garrison Engineer, Poona	...	500	...	...	...	...
8	„ „ Kirkee	...	...	...	...	...	...
9	„ „ Mhow and N'bad	500	...	...	...	...	...
10	„ „ Bombay	...	...	500	...	...	...
11	„ „ Bangalore	...	...	...	...	...	...
12	„ „ Madras	...	...	...	...	...	...
13	„ „ Wellington	...	...	...	...	...	...
14	„ „ Secunderabad	...	...	...	...	...	...
15	„ „ Jubbulpore	...	...	...	500	...	...
16	„ „ Ahmednagar	...	...	...	...	...	...
17	O. C., Remount Depot, Ahmednagar	...	...	...	...	...	...
18	Assistant Director of Dairy Farms, Southern Circle, Jubbulpore.	...	...	...	...	...	...
19	M. E. O., Madras Circle	...	...	...	...	...	...
20	Embarkation Commandant, Bombay	...	...	...	...	...	...
	I. A. S. C. Contractors, Poona (I.) Bde. Area.						
21	Mr. Astumia Walad Mugut Saheb	...	...	...	...	...	...
22	„ Alli Saheb Kader Saheb Naik	...	...	...	...	...	...
23	Messrs. Fakirappa Ballappa Sivamurthi Ballappa.	...	...	...	...	...	...
24	Mr. A. B. Fernandez	...	...	...	...	...	...
25	„ B. N. Kedari	...	...	...	...	...	...
26	„ K. S. Aspandiar Rustom	...	...	...	...	...	...
27	„ Rama Yankoo	...	...	...	...	...	...
28	Messrs. Ardeshir & Sons	...	...	...	...	...	...
29	Mr. Tarachand Palamal Bhandari	...	...	...	...	...	...
30	Messrs. Fakir Mohd. Yakoob Chowdry and Sons.	...	...	...	...	...	...

SOUTHERN COMMAND, POONA.

Military Accounts, Southern Command, Poona on 31st December 1937, on account of Security Deposits from Supply Corps, Contractors and Storekeepers, etc.

5 per cent. Loan. of		5 per cent Bombay Munici-pal deben-tures.	5½ per cent. Loan of	Bank Deposit Receipts.	Post Office Savings Bank Pass books.	Post Office 5 year Cash Certifi-cates.	Total.	Remarks.
1939-44.	1940-43.		1938-40.					
9	10	11	12	13	14	15	16	17
Rs.	Rs.	Rs.	Rs.	Rs. a. p.	Rs.	Rs.	Rs. a. p.	
7,50,000	...	...	70,000	...	...	...	8,20,000 0 0	
..	...	...	...	10,500 0 0	...	13,060	23,760 0 0	
...	100	...	11,500	...	...	...	11,600 0 0	
3,000	...	...	...	...	...	11,500	14,500 0 0	
...	...	...	50,000	...	...	...	50,000 0 0	
...	...	...		1,000 0 0	...	8,950	10,450 0 0	
500	...	...	...	...	...	...	1,000 0 0	
...	100	...	200	...	...	...	300 0 0	
...	...	...	...	...	...	4,560	5,060 0 0	
...	...	...	...	...	...	11,620	12,120 0 0	
...	...	...	...	...	...	400	400 0 0	
...	...	..	...	...	3,500	3,240	6,740 0 0	
...	...	...	...	...	...	4,580	4,580 0 0	
...	...	...	...	...	...	2,120	2,120 0 0	
...	...	...	...	...	...	7,860	8,360 0 0	
...	...	...	...	...	...	250	250 0 0	
...	...	...	...	...	...	590	590 0 0	
...	...	..	...	...	10,250	23,960	34,210 0 0	
...	...	...	...	...	496-8-0	...	496 8 0	
...	...	...	...	1,187 8 0	...	(a) 10,000	11,187 8 0	(a) Received before 31st December 1937 but actually endorsed to the C.M.A. in January 1938.
...	...	...	...	...	1,000	...	1,000 0 0	
...	...	...	...	...	360	...	360 0 0	
...	...	...	...	..	400	...	400 0 0	
...	...	...	...	...	1,215	...	1,215 0 0	
...	...	...	...	...	590	...	590 0 0	
...	...	...	...	...	850	...	850 0 0	
...	...	...	...	...	90	...	90 0 0	
...	...	...	...	...	...	1,000	1,000 0 0	
...	...	...	...	...	760	...	760 0 0	
...	...	...	...	4,500 0 0	...	...	4,500 0 0	

Serial No.	By whom lodged.	3 per cent. G. P. Notes, 1896-97.	3½ per cent. Government Promissory Notes.				5 per cent. G. P. Notes.
			1842-43.	1854-55.	1865.	1900-01.	1945-55.
1	2	3	4	5	6	7	8
	I. A. S. C. Contractors, Poona (I.) Bde. Ar a—contd.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
31	Mr. Dawood Suleman Sahjan	...	...	...	...	...	...
32	Messrs. The City Ice Supplying Coy.	...	...	..	...	...	...
33	Mr. M. Anthony	...	...	...	...	...	...
34	Messrs. Mahadeo Gangaram and Sons	...	...	...	...	...	...
35	Mr. Beharilal Palamal Bhandari	...	...	...	...	...	...
	I. A. S. C. Contractors, Bomba District.						
36	Mr. Tulsiram	...	...	...	...	...	...
37	" Wali Mohamed Din Mohamad	...	...	...	...	...	...
38	Messrs. Indo Foreign and General Trading Coy.	...	...	...	...	...	...
39	" Haji Tar Mohamed Ahmed & Sons	...	...	..	...	...	...
40	Mr. Rashid Ahmed Wali Mohamed	...	...	...	...	...	...
41	" H. Abdul Kayoom Tayabali	...	...	...	...	...	...
42	Messrs. Shiva Narayan Kasturchand & Sons.	...	...	...	...	..	...
43	Mr. Haji Abdul Gafur	...	...	...	...	...	...
44	" Rustomjee Cursetjee Kaka	...	...	...	...	...	...
45	Messrs. Jagannath Ramanand and Sons	...	...	...	...	...	...
46	" S. Shamsuddin and Sons	...	...	...	...	...	...
47	" Sk. Azimulla & Bros.	...	...	...	...	...	...
48	" L. Motiram & Son	...	...	...	...	...	...
49	Mr Moula Chottoo	...	...	...	...	...	...
50	" Onkarlal Jaiskaran	...	...	...	...	...	...
51	Messrs. Bhaya & Co.	...	...	...	..	...	...
52	" The Ganesh Agency, Ltd.	...	...	...	...	...	...
53	Mr. Deendayal Kishen Lall	...	...	...	...	...	...
54	" Gigaram Jugalkishore	...	...	...	...	...	...
55	" K. V. Modi	...	...	...	...	...	...
56	" Kalooram Debisahai	...	...	...	...	...	...
	I. A. S. C. Contractors, Madras District.						
57	Mr. S. A. Majid	...	...	...	...	...	...
58	Messrs C. Subbiah Chetty Bros.	...	...	...	...	...	...
59	V. A. Abdul Wahab Sahib & Co.	...	...	...	...	...	...
60	Mr. P. Abdurahiman	...	...	...	...	...	...
61	" N. Moosacutty Burnachery	...	...	...	...	...	...
62	" S. Mohd. Sheriff	...	...	...	...	...	...
63	" B. P. Doctor	...	...	...	...	...	...

5 per cent. Loan of		5 per cent. Bombay Munici-pal deben-tures.	5½ per cent. Loan of	Bank Deposit Receipts.	Post Office Savings Bank Pass books.	Post Office 5-year Cash Certifi-cates.	Total.	Remarks.
1939-44.	1940-43.		1938-40.					
9	10	11	12	13	14	15	16	17
Rs.	Rs.	Rs.	Rs	Rs. a. p.	Rs.	Rs.	Rs. a. p.	
...	...	...	...	...	1,400	...	1,400 0 0	
...	...	...	...	...	70	...	70 0 0	
...	...	...	...	...	1,315	...	1,315 0 0	
...	...	...	...	...	490	...	490 0 0	
...	...	...	...	...	800	...	800 0 0	
...	...	...	...	...	340	...	340 0 0	
...	...	...	...	...	1,090	...	1,090 0 0	
...	...	...	...	...	1,090	..	1,090 0 0	
...	...	...	.	...	2,150	...	2,150 0 0	
...	...	...	..	...	410	...	410 0 0	
...	...	...	...	...	310	...	310 0 0	
...	...	...	...	...	640	...	640 0 0	
...	...	...	...	...	120	...	120 0 0	
...	...	...	...	...	25	...	25 0 0	
...	.	...	...	...	...	600	600 0 0	
...	...	...	...	...	37	...	37 0 0	
...	...	...	...	...	...	680	680 0 0	
...	...	...	...	...	230	...	230 0 0	
...	...	...	...	...	110	...	110 0 0	
...	...	...	...	...	...	800	800 0 0	
...	...	...	...	..	...	40	40 0 0	
...	...	...	..	...	1,200	...	1,200 0 0	
...	...	...	...	..	...	5,000	5,000 0 0	
...	...	...	...	...	175	...	175 0 0	
...	..	...	...	..	800	...	800 0 0	
...	...	...	...	...	700	...	700 0 0	
...	...	...	...	3,520 0 0	...	...	3,520 0 0	
...	...	...	...	...	520	...	520 0 0	
...	...	...	...	370 0 0	...	...	370 0 0	
...	...	...	..	80 0 0	...	...	80 0 0	
...	...	...	...	210 0 0	...	...	210 0 0	
...	...	...	...	460 0 0	...	...	460 0 0	
...	...	...	...	...	70	...	70 0 0	

Serial No.	By whom lodged.	3 per cent. G. P. Notes. 1896-97.	3½ per cent. Government Promissory Notes.				5 per cent. G.P. Notes.
			1842-43.	1854-55.	1865.	1900-01.	1945-55.
1	2	3	4	5	6	7	8
	I. A. S. C. Contractors, Madras District—contd.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
64	Messrs. P. Oomerkutty & Co.	...	...	...	...	...	...
65	Mr. H. Mohd. Ali	...	...	...	...	...	...
66	Messrs. H. Ghulam Mohamed & Bros.	...	...	...	...	...	...
67	Mr. Beeran	...	...	...	...	...	...
68	Zehra Bibi wife of late K. B. Kaderbatcha Saheb.	...	...	...	...	...	...
69	Messrs. M. Abdul Hakin & Bros.	...	...	...	...	...	...
70	Mr. P. S. Srinivasachari	...	...	...	...	...	...
71	The Garrison Dairy Farm	...	...	...	...	...	...
72	Messrs F. N. Heerji & Co.	...	...	...	...	...	...
73	" V. K. Chokalingam Mudr	...	...	...	...	...	...
74	Mr. B. M. Ajja Gowder	...	...	...	...	...	...
75	The South Indian Royal Ice Factory	...	...	...	...	...	...
76	Mr. H. Bella Gowder	...	...	...	...	...	...
	I. A. S. C. Contractors, Deccan District.						
77	Mr. Muthiyala Pochiah	...	...	...	...	...	...
78	Messrs. Shivaprasad Lalji	...	...	...	...	...	...
79	" Ganesh Ram and Sons	...	...	...	...	...	...
80	Mr. Debidin Jayalal	...	...	...	...	...	...
81	" Volkanda Ramiah	...	...	...	...	...	...
82	Messrs. Maula Bux Khuda Bux	...	...	...	...	...	...
83	Mr. Onkar Lal Jaiskaran	...	...	...	...	...	...
84	Mr. Chaturbhuj Kishenlal	...	...	...	...	...	...
85	" G. Jai Singh	...	...	...	...	...	...
86	Messrs. Shaikh Ahmadulla Shaikh Shamsuddin.	...	...	...	...	...	...
87	" Lalta Pershad Chiranjilal	...	...	...	...	...	...
88	Mr. Mohd. Ghouse	...	...	...	...	...	...
89	" Shaik Mohd. Ibrahim	...	...	...	...	...	...
90	Messrs. Mohd. Hafiz Mohd. Rafiq	...	...	...	...	...	...
91	" B. J. Irani & Co.	...	...	...	...	...	...
92	" H. F. Shaboodeen	...	...	...	...	...	...
93	" Mankali Nagiah	...	...	...	...	...	...
94	" The Pachmarhi Motor Service Coy.	...	...	...	...	...	...
95	" Fateh Mohd. & Asadullah Bros.	...	...	...	...	...	...
96	Mr. S. Jawala Singh	...	...	...	...	...	...
97	" Maqbul Hussain	...	...	...	...	...	...
98	" D. Venkannah	...	...	...	...	...	...
99	Seth Chunilal Maheshri	...	...	...	...	...	...

5 per cent. Loan of 1939-44.	5 per cent. Loan of 1940-43.	5 per cent. Bombay Municipal debentures.	5½ per cent. Loan of 1938-40.	Bank Deposit Receipts.	Post Office Savings Bank Pass books.	Post Office 5-year Cash Certificates.	Total.	Remarks.
9	10	11	12	13	14	15	16	17
Rs.	Rs.	Rs.	Rs.	Rs. a. p.	Rs.	Rs.	Rs a. p.	
...	...	...	...	560 0 0	...	...	560 0 0	
...	...	...	...	2,020 0 0	...	...	2,020 0 0	
...	...	...	...	...	25	...	25 0 0	
...	...	...	...	...	70	...	70 0 0	
...	...	...	..	...	25	...	25 0 0	
...	...	...	...	25 0 0	...	...	25 0 0	
...	...	...	...	...	150	...	150 0 0	
...	...	...	...	...	400	...	400 0 0	
...	..	...	...	...	25	...	25 0 0	
...	...	...	...	...	510	...	510 0 0	
...	...	...	...	...	50	..	50 0 0	
...	...	...	...	...	450	...	450 0 0	
...	...	...	...	...	1,000	1,300	2,300 0 0	
...	...	...	...	...	200	...	200 0 0	
...	...	...	...	...	1,390	...	1,390 0 0	
...	...	...	...	...	460	...	460 0 0	
...	...	...	...	...	210	...	210 0 0	
...	...	...	...	...	2,700	...	2,700 0 0	
..	...	...	...	...	150	...	150 0 0	
...	...	...	...	...	...	1,200	1,200 0 0	
...	...	...	...	350 0 0	...	...	350 0 0	
...	...	...	...	...	1,220	...	1,220 0 0	
...	...	...	...	...	...	2,000	2,000 0 0	
...	...	...	...	...	560	...	560 0 0	
...	...	...	...	270 0 0	...	...	270 0 0	
..	...	...	...	...	...	8,700	8,700 0 0	
...	...	...	...	2,200 0 0	...	...	2,200 0 0	
...	...	...	..	...	80	...	80 0 0	
...	...	...	...	...	1,000	...	1,000 0 0	
...	...	...	...	...	320	...	320 0 0	
...	...	...	...	...	2,000	...	2,000 0 0	
...	..	...	...	1,200 0 0	240	...	1,440 0 0	
...	...	...	...	...	460	...	460 0 0	
...	...	...	...	...	360	...	360 0 0	
...	...	...	...	...	70	...	70 0 0	
...	...	..	...	...	140	...	140 0 0	

Serial No.	By whom lodged.	3 per cent. G. P. Notes, 1896-97.	3½ per cent. Government Promissory Notes. 1842-43.	1854-55.	1865.	1900-01.	5 per cent. G. P. Notes. 1945-55.
1	2	3	4	5	6	7	8
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	I. A. S. C. Contractors, Deccan District—contd.						
100	Mr. Khemchand Kashiram	...	...	...	...	...	...
101	Messrs. L. Motiram & Son	...	...	...	...	...	...
102	" D. M. Pereira & Sons	...	...	...	...	...	...
103	Mr. Shivaram Sayannah	...	...	...	...	...	...
104	Messrs. G. Alladin and Sons	...	...	...	...	...	...
105	The George Ice Factory	...	...	...	...	...	...
106	Messrs. Babadin Misrilal & Bros.	...	...	...	...	...	...
107	" Kalloo Ram & Co.	...	...	...	...	...	...
108	Mr. Mirza Maksud Ahmad Khan	...	...	...	...	...	...
109	" Badrudin *alias* Kalloo	...	...	...	...	...	...
	I. A. S. C. Contractors, Director of Contracts, Simla.						
110	Zehrabibi, widow of the late K. B. Khader Batcha Sahib.	...	...	...	...	...	...
111	Messrs. Framji & Son	...	...	...	...	...	...
112	" F. Esso Fally & Co.	...	...	...	...	...	...
113	Mr. Franak Abraham	...	...	...	...	...	...
114	Messrs. Vazir Sultan & Sons	...	...	...	...	...	...
	Medical Stores Contractors, M. S. D., Bombay.						
115	Messrs. Keshavji Sons & Co.	...	...	...	...	...	...
116	" Sorabji Nowroji & Co.	...	...	...	...	...	...
117	" H. N. Somaiya & Co	...	...	...	...	...	...
118	" E. Eyres & Co.	...	...	...	...	...	...
119	" Abdul Hamid Esmail & Co.	...	...	...	...	...	...
120	" Wilkinson Heywood and Clark	...	...	...	...	...	...
121	" Gillanders Arbuthnot & Co.	...	...	...	...	...	...
122	" T. S. R. Gilleette	...	...	...	...	...	...
123	Mr. V. G. Galvenkar	...	...	...	...	...	...
124	" Deraj Malsi	...	...	...	...	...	...
125	Messrs. N. S. Nanjina & Co.	...	...	...	...	...	...
126	" Havero Trading Co.	...	...	...	...	...	...
127	" Bolc Bros.	...	...	...	...	...	...
128	" Bhagwandas Gangadas & Co.	...	...	...	...	...	...
129	Mr. A. A. Whelan	...	...	...	...	...	...
130	Messrs. Mathur and Manzoor, Ltd.	...	...	...	...	...	...
131	Jaferji Abdulhusein	...	...	...	...	...	...
132	Hasambhoy Jetha	...	...	...	...	...	...

5 per cent. Loan of 1939-44.	5 per cent. Loan of 1940-43.	5 per cent. Bombay Municipal debentures.	5½ per cent. Loan of 1938-40.	Bank Deposit Receipts.	Post Office Savings Bank Pass books.	Post Office 5-year Cash Certificates.	Total.	Remarks.
9	10	11	12	13	14	15	16	17
Rs.	Rs.	Rs.	Rs.	Rs. a. p.	Rs.	Rs.	Rs. a. p.	
...	...	...	...	...	30	..	30 0 0	
...	...	...	...	...	2,160	...	2,160 0 0	
...	...	...	...	...	430	...	430 0 0	
...	...	...	...	...	110	...	110 0 0	
...	...	...	...	525 0 0	...	...	525 0 0	
...	...	...	...	500 0 0	...	...	500 0 0	
...		...	...	...	1,070	...	1,070 0 0	
...	...	...	...	...	65	...	65 0 0	
...	...	...	...	800 0 0	...	...	800 0 0	
...	...	...	...	...	1,300	...	1,300 0 0	
...	...	...	...	...	500	...	500 0 0	
...	...	...	...	...	...	250	250 0 0	
...	...	...	...	...	...	580	580 0 0	
...	...	...	...	...	...	2,000	2,000 0 0	
...	...	...	...	1,000 0 0	...	...	1,000 0 0	
...	...		...	...	50	1,250	1,300 0 0	
...	...	...	...	...	185	...	185 0 0	
...	...	...	...	...	155	...	155 0 0	
...	...	...	...	...	1,705	...	1,705 0 0	
...	...	...	...	...	240	...	240 0 0	
...	...	...	...	...	250	...	250 0 0	
...	...	...	...	...	32	...	32 0 0	
...	...	...	...	865 0 0	...	..	865 0 0	
...	...	...	...	...	25	...	25 0 0	
...	...	...	...	...	70	...	70 0 0	
...	...	...	...	...	...	570	570 0 0	
...	...	...	...	1,000 0 0	...	...	1,000 0 0	
...	...	...	...	...	...	450	450 0 0	
...	...	...	...	1,012 0 0	...	...	1,012 0 0	
...		...	...	...	80-8	...	80 8 0	
...	..	...	...	360 0 0	...	...	360 0 0	
...	...	...	...	...	25	...	25 0 0	
...	...	...	...	...	25	...	25 0 0	

Serial No.	By whom lodged.	3 per cent. G. P. Notes, 1896-97.	3½ per cent. Government Promissory Notes. 1842-43.	1854-55.	1865.	1900-01.	5 per cent. G. P. Notes 1945-55.
1	2	3	4	5	6	7	8
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Medical Stores Contractors, M. S. D., Bombay—contd.						
133	Messrs. E. Victor & Co.	...	...	...	...	...	...
	Medical Stores Contractors, M. S. D., Madras.						
134	Mr. V. Balasundaram	...	...	...	...	...	...
135	Messrs. Havero Trading Co.	...	...	...	...	...	...
136	Mr. M. Manvala Naidu	...	...	...	...	...	...
137	Messrs. Mathur and Manzoor Ltd.	...	...	...	...	...	...
138	Mr. B. R. Nagappa Naicker	...	...	...	...	...	...
139	" P. S. V. Rajamanickam Chetty	...	...	...	...	...	...
140	Messrs. V. Rajamannar & Sons	...	...	...	...	...	...
141	Mr. K. M. Venkatachalam Chetty	...	...	...	...	...	...
	Grass Farm Contractors, A. D. G. F. No. 5 Circle, Poona.						
142	Mr. Abdul Hussain Shaik Adam	...	...	...	...	...	...
143	" V. Munojee Rao	...	...	...	...	...	...
144	Messrs. C. Krishnaswamy Naicker & Sons	...	...	...	...	...	...
	Miscellaneous, Commandant, K. G. R. I. M. School, Ajmer.						
145	Mr. Lal Chand	...	...	...	...	...	...
146	Messrs. Harchand Lala Ram	...	...	...	...	...	...
147	Butcher Azim Buksh	...	...	...	...	...	...
	Unclaimed deposits.						
148	Mr. N. C. Doongaji	...	...	...	...	500	..
149	" R. K. Bhade	...	...	...	...	500	...
150	" S. K. Jithra	...	...	500	...	...	...
151	" S. K. Doctor	...	...	...	500	...	...
152	" Jijibhoy Merwanji Dubash	...	...	...	...	100	...
153	" L. S. Balaram	...	...	...	100	...	...
154	" Noor Mohamed Ruttonsay	...	...	...	...	...	...
155	Messrs. Yakub Issak & Co.	...	...	...	100	...	...
156	" Ratilal & Co.	...	...	...	...	...	200
157	Mr. T. P. Rajaratnam Pillai	200	..	...	...	...	...
158	" Parasharam Khupchand	...	1,000	1,000	...	...	...
159	" Maniram Sirikisan	200	...	...	...	...	...
160	" Not known	...	...	...	100	...	...

Total for Accounts Section . Rs. 10,17,224-0-0
Total for Store " . Rs. 1,06,536-8-0

Grand Total . Rs. 11,23,760-8-0
500-0-0 'A' section.

11,24,260-8-0

No. A./871.
Poona, dated the

Forwarded for check. Errors and omissions

Senior Superintendent,
for D. A. C. M. A., S. C., Poona.

5 per cent. Loan of 1939-44.	5 per cent. Loan of 1940-43.	5 per cent. Bombay Municipal debentures.	5½ per cent. Loan of 1938-40.	Bank Deposit Receipts.	Post Office Savings Bank Pass books.	Post Office 5-year Cash Certificates.	Total.	Remarks.
9	10	11	12	13	14	15	16	17
Rs.	Rs.	Rs.	Rs.	Rs. a. p.	Rs.	Rs.	Rs. a. p.	
...	...	...	...	...	...	300	300 0 0	
...	...	...		...	430	...	430 0 0	
...	...	...	...	2,100 0 0	...	...	2,100 0 0	
...	...	...	...	...	40	...	40 0 0	
...	...	...	...	640 0 0	...	...	640 0 0	
...	...	...	...	...	500	.	500 0 0	
...	...	...	...	...	2,000	...	2,000 0 0	
..	...	...	...	...	150	...	150 0 0	
...	...	...	...	...	90	...	90 0 0	
...	...	...	...	2,750 0 0	...	...	2,750 0 0	
...	...	...	...	...	250	...	250 0 0	
...	...	...	...	...	330		330 0 0	
...	...	...	...	...	1,000	...	1,000 0 0	
...	...	...	...	...	400		400 0 0	
...	...	...	...	...	80	...	80 0 0	
...	...	...	...		...	...	500 0 0	
...	...	...	...	...	...		500 0 0	
...	...	...	...	...	...	...	500 0 0	
...	...	...	...	...	...	...	500 0 0	
...	...	...				...	100 0 0	
..		...	...	...	...	..	100 0 0	
..	...	100 (War Bonds 1921)		...	...	.	100 0 0	
...	...	...	...	...	...	...	100 0 0	
...	...	.	...	...	...	...	200 0 0	
...	...	...	...	...	...	...	200 0 0	
...	...	...	...	...	...	...	2,000 0 0	
...	...	...	.	...	...	...	200 0 0	
...	...	...	...	...	...	...	100 0 0	

1938.

should at once be brought to notice.

A. SLATER,
Controller of Military Accounts,
Southern Command, Poona.

INCOME TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 18th February 1938.

No. 1545-2E./48-C.T.—Mr. S. J. Ahmed, M.A., Income-tax Officer, District V-A, Calcutta, is transferred to District IV(2), Calcutta, *vice* Mr. A. Khan, B.A., Income-tax Officer, granted leave or until further orders.

2. Mr. P. C. Dey, M.A. (Com.), Income-tax Officer, Railways and Miscellaneous Salaries Circle, Calcutta, is in addition to his own duties, appointed to act as Income-tax Officer, District V-A, Calcutta, *vice* Mr. S. J. Ahmed transferred.

Calcutta, the 19th February 1938.

No. 15457-2E./48-C.T.—Mr. S. J. Ahmed, Income-tax Officer, Jalpaiguri-Darjeeling is allowed leave on average pay for 3 months and 28 days with effect from the 3rd January, 1938 *viz.*, leave on average pay under Fundamental Rule 81(b) (ii) for 8 days with leave on average pay on Medical certificate under Fundamental Rule 81(b) (ii) and the proviso thereunder for 3 months and 20 days. He is permitted to prefix the X'mas and the New Year's day holidays and Sunday the 2nd January, 1938 and to affix Sunday the 1st May 1938 to his leave.

S. N. BANERJEA,

Commissioner of Income Tax, Bengal.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petition presented by the undermentioned debtor on date given in column 1, order of adjudication in insolvency was made against him, by the High Court of Judicature at Madras on date given in the last column.

Date of filing.	No. of petition.	Name and address of the Insolvent.	Date of adjudication.
2nd February 1938.	38 of 1938	C. R. Varadarajulu Naidu, Pensioner, residing at No. 97, Venkatachala Mudali Street, Meersapet, Madras.	3rd February 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 18th February 1938.

R. JAYARAM,
1st Asstt. Registrar.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that the order of this Court adjudging debtor insolvent mentioned in column 2 pursuant to the provisions of Act III of 1909 (the Presidency Town Insolvency Act) was annulled by order made on the date noted against it in column 3.

No. of petition.	Name and address of the insolvent.	Date of annulment.
405 of 1936	Bommisetti Virabhadradu, residing at No. 120, Vardamuttiappan Street, George Town, Madras.	8th February 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 18th February 1938.

R. JAYARAM,
1st Asst. Registrar.

ROYAL INDIAN NAVY.

NOTIFICATION.

LEAVE.

Bombay, the 21st February 1938.

No. 41.—Lieutenant H. C. Bird, R. I. N., is granted 8 months and 5 days' absence from India, with effect from 19th February 1938. The first 2 months will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

HERBERT FITZHERBERT,

Rear-Admiral,

Flag Officer Commanding,

Royal Indian Navy.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 17th February 1938.

No. E. P. 439.—Mr. R. A. Saunders Jacobs, officiating Executive Engineer, senior scale, has been granted 115 days' privilege leave combined with 1 month and 7 days' furlough on full pay *plus* 3 months' furlough on half pay to Europe with effect from the 17th March 1938 or subsequent date of relief.

No. E. P. 440.—Mr. H. Barron, Executive Engineer, senior scale, has been granted five days' furlough on half pay from the 6th November 1937 in extension of the combined leave granted to him, *vide* notification No. E. P. 440, dated the 1st April 1937, published in the *Gazette of India*, Part II, dated the 10th April 1937.

J. A. BELL,

Agent.

NORTH-WESTERN RAILWAY.

NOTIFICATIONS

Lahore, the 14th February 1938.

No. 20.—Mr. E. C. Whelan, Executive Engineer and Officiating Senior Government Inspector of Railways, is granted leave (out of India) preparatory to retirement for 1 year, 5 months and 6 days, *viz.*, leave on average pay for 1 month and 29 days and on half average pay for the remaining period with effect from 4th December, 1937.

2. This cancels this office notification No. 9, dated 21st January 1938.

Lahore, the 15th February 1938.

No. 21.—Mr. S. Z. Shamsie, Divisional Transportation Officer, is granted leave (out of India) on average pay for eight months, with effect from 30th March 1938, or subsequent date of relief.

Lahore, the 19th February 1938.

No. 22.—Mr. J. W. Carroll, Assistant Mechanical Engineer, is granted leave on average pay preparatory to retirement for 6 months and 3 days with effect from 1st March 1938 or subsequent date of relief to 3rd September 1938.

Lahore, the 21st February 1938.

No. 24.—Mr. D. G. Allen, Superintendent, Printing and Stationery, is granted leave (out of India) preparatory to retirement for 2 years and 4 months, *viz.*, leave on average pay for 8 months and in continuation thereof leave on half average pay for the remaining period with effect from 5th March 1937.

2. This is in supersession of this office Notification No. 34, dated 2nd March 1937.

C. F. CARSON,

Lt.-Col. R.E.,

Agent.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, MARCH 5, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

Annual rates of subscription including packing and Indian postage.

	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A.	48	0	0
Parts I, II, II-A and III (together)	35	0	0
Parts I, II and III (together)	25	0	0
Part I	12	0	0
Part I-A	4	8	0
Part II	12	0	0
Part II-A	15	0	0
Part III	12	0	0
Part IV	3	4	0
Part V	3	4	0
Parts IV and V (together)	6	0	0
Supplement only	10	0	0

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Gazette and Supplement	1	0	0
Parts I, II, II-A, III or Supplement each	0	6	0
Part I-A	0	3	0
Part IV	0	3	0
Part V	0	3	0
Parts IV and V (together)	0	6	0
Extraordinary issues	Price fixed for each issue.		

The above rates are under revision.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Local Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 5th March 1938.

CORRIGENDUM.

The entry relating to patent No. 19855 which appeared in the notification of this office under the heading "Renewal Fees Paid" in Part II of the *Gazette of India*, dated the 19th February 1938, should be corrected to read as follows :—

"19855. The Standard Stoker Co. Inc. (To 24th April 1939)".

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

February 21, 1938.

24965. H. L. Fletcher. Improvements in or relating to grips for handles of golf clubs, cricket bats, hockey sticks or other shaft-like bodies. (March 16, 1937).

24966. D. Komlos. Improvements in the production of surfaces for building and like purposes. (October 8, 1937).

24967. The Research Association of British Flour Millers. An improved process for determining the baking qualities of wheaten flour dough and apparatus therefor. (March 23, 1937).

24968. Standard Telephones and Cables Ld. Improvements in or relating to thermionic amplifiers. (March 8, 1937).

24969. The Mirrlees Watson Co., Ld. Improvements relating to air discharge valves for calandrias for single and multiple effect evaporators. (June 24, 1937).

24970. J. Yuille. Improvements in or relating to the filtration of hot gases.

24971. The Elgin Gas Corporation Ld. Method of and apparatus for the preservation of comestibles and other matter.

24972. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to electrical filter arrangements. (February 20, 1937).

24973. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to tuning and other indicator and scale arrangements suitable for use for radio receivers, wave meters, and the like. (February 20, 1937).

24974. Tecalemit Ld. Improvements in relating to grease guns.

24975. N. V. De Bataafsche Petroleum Maatschappij. An electric filtration system.

February 22.

24976. K. G. Thiruvenkatachariar. Automatic spinning machine.

24977. R. Baksh. Improvements in or relating to manufacture of glass bangles.

24978. A. L. McWilliam, E. L. Goodman and McLeod & Co., Ld. Improvements on or relating to the doors of tea leaf rolling machines.

February 23.

24979. S. C. Biswas. Locking envelopes.

24980. C. W. Mine Products Co., Ld. Improvements in stemming plugs for use in coal mines, quarries and the like when shot-firing. (March 2, 1937).

February 24.

24981. K. S. Mahmood Saheb. Sugar mill component iron fittings in angular form vertically being fitted up with usual three cane crushing rollers in bottom and top planks bolted and mounted on horizontal two beams.

24982. Dr. Ing. C. Weicken & Co. Kommanditgesellschaft. Improvements in machines for making cheroots or the like.

February 25.

24983. S. R. Lalkaka, and S. D. Master. An improved auto-trap, or a cage box enclosure and the like for catching animals, small or big, pertaining to land water and air, in their live state, such as mice, tigers, dogs, locusts, sparrows, eagles, prawns, fish, whales, hippos, etc., etc.

24984. The Modern Tube Well Works. Improvements in or relating to liquid raising means.

24985. H. A. Brassert & Co. Ld. Methods and means for bringing gas and liquid into intimate contact. (February 25, 1937).

24986. The General Electric Co. Ld. Improvements in electric circuit arrangements for operating discharge devices. (February 26, 1937).

Alteration of Date.

(I)

24607. *Ante*-dated 22nd July 1937 under Section 5.

(II)

24625. *Ante*-dated 30th November 1936 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23725. L. A. Stronach. Improvements in and relating to seats, chairs and the like. *Open frame for back rest and seat, side members of seat being supported by separate underframe by means yieldingly opposing weight supported by seat and affording limited tilting.*

23732. The British Tabulating Machine Co., Ld. Improvements in or relating to machines for, and methods of, manufacturing record cards. *Cards stored for several days before being cut to required size.*

23758. E. I. Du Pont De Nemours and Co. Dielectric liquids.—*Chlorinating the benzene nucleus of ethyl benzene so as to produce a mixture of chlorinated ethyl benzenes.*

23847. I. G. Farbenindustrie Aktiengesellschaft. Process for the manufacture of pyrimidine compounds. (April 3, 1936). *2 alkyl 4 amino 5 amino alkyl pyrimidines by condensing amidines of aliphatic carboxylic acids with acetic esters and converting the 4 hydroxypirimidine compounds into the amino compounds.*

23879. R. G. Woodward. Improvements in and relating to coin-freed vending machines. *Operating bell-crank lever mounted on underside of drawer.*

23972. S. C. Latif. A cabinet, stand or the like for fire arms. *Two blocks with engagement notches for the barrel and butt ends connected by threaded spindles and one of them secured to the cabinet.*

24111. Elastic Stop Nut Corporation. Improvements relating to fastening devices. *In fastening device a basket member having hollow shank portion and nut retaining portion with recess of non-circular cross-section.*

24247. P. R. Dhanji. Improved joint or joining means for furniture or the like. *Stud and elongated keyhole in co-operating joining plates the hole being countersunk at the underside of the plate providing it.*

24388. H. Renck. Chemical printing process. *Picture carriers are refreshed with amalgam applied periodically on ink rollers.*

24408. B. Aagaard. Improvements in and relating to card index cabinets. *Rotatable c rd tilting mechanism automatically driven by opening or closing of drawers at one or both sides of drawer containing index card.*

24413. Dr. O. Röhm. Improvements in or relating to the manufacture of unhaired skins or hides. (May 13, 1937). [Addition to No. 23991.] *Treating with oxidising and reducing agents separately from fungic tryptase.*

24423. E. Hoffmann. Process for the continuous decomposition of vegetable and animal fats into pure fatty acid and concentrated glycerine. *Decomposing apparatus consisting of three chambers the pressure in each being lower than that in the preceding one.*

24462. S. L. M. Saunders and L. W. Coveney. Improvements in or relating to the preparation of compositions containing ureaformaldehyde condensation products. (September 28, 1936). *Heating condensation product suspended in alcoholic solvent in the presence of excess of formaldehyde and distilling the solvent.*

24471. I. G. Farbenindustrie Aktiengesellschaft. Apparatus for the production of carbon disulphide. *Cast iron retort with two diametrically opposed attachments for accommodating the charge.*

24500. N. N. Naik and G. V. Shirgaokar. Improved process for calcining siliceous materials to produce calcined silica. *Preliminary boiling of the siliceous materials under pressure and in the presence of salts or alkalies.*

24607. The General Electric Co. Ld. Improvements in or relating to electric discharge lamps comprising luminescent materials. (December 14, 1936). [*Ante*-dated July 22, 1937]. [Addition to No. 24249]. *Luminescent material containing zinc-beryllium silicate on outside of envelope.*

24616. Gresham & Craven, Ld. Improvements relating to vacuum brake apparatus for railway and like vehicles. (December 9, 1936). *Fitting quickly to admit air to cylinder and to release brakes after application.*

24625. The American Rolling Mill Co. Improvements in or relating to the manufacture of helical lock seam pipe. [*Ante*-dated November 30, 1936.] *Strip with seam elements at edges is thrust between angularly set mandrell and external forming means, seam clamped and strip pulled on.*

24633. W. E. Monro. Apparatus for supplying steam to the induction pipe of internal combustion engines. (November 18, 1936). *Steam from radiator top passed through a labyrinth.*

24663. Pilkington Brothers, Ld. Improvements in and relating to the tempering of glass sheets. *Device for indicating when glass has reached required degree of plasticity.*

24671. Ruhrchemie Aktiengesellschaft. Process for regenerating catalysts for benzine synthesis. (September 22, 1937). *Heating the catalyst at above 300°c in a current of hydrogen or inert gases or steam before dissolving in acids and precipitating.*

24679. Universal Oil Products Co. Process for producing valuable liquid hydrocarbons from normally gaseous olefinic hydrocarbons. *Subjecting to selective polymerisation with solid phosphoric acid catalyst in two stages at 20-66°c and 66-121°c respectively under sufficient pressure to retain the butylenes in the liquid phase.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23569. Warren.
23590. I. G. Farbenindustrie Aktiengesellschaft.
23591. Siemens-Schuckertwerke Aktiengesellschaft.
23643. Peglers Ld.
23706. Magnani.
23740. Dr. Rohm.
23781. International Latex Processes, Ld.
23802. DePenning.
23812. Gillespie.
23825. Davidson and Co. Ld.
23865. Marconi's Wireless Telegraph Co. Ld.
23907. I. G. Farbenindustrie Aktiengesellschaft.
23977. The Premier Waterproof & Rubber Co. Ld., and Ridings.
24114. Callender's Cable and Construction Co., Ld.
24145. The Lanatin Corporation.
24159. Novocol Chemical M. F. G. Co. Inc.
24189. J. L. et Lavigne.
24197. Naamlooze Vennootschap Organon.
24215. Universal Process (Parent) Co., Ld.
24344. The General Electric Company, Limited.
24370. Amin.
24491. The British Ropeway Engineering Company Limited.
24516. I. G. Farbenindustrie Aktiengesellschaft.
24519. Indian Jute Mills Association.

Patents Sealed.

22969. The General Electric Co., Ld.
22996. The General Electric Co., Ld.
23033. Corning Glass Works.
23328. Standard Telephones & Cables Ld.
23364. British Celanese Ld.
23420. Parkinson, Vint and Gardner.
23449. Electrolux Ld.
23465. The General Electric Co., Ld.
23535. The General Electric Co., Ld.
23592. Chobert.
23675. Ansel.
23698. Richardson.
23704. The General Electric Co., Ld.
23719. Copper Sheets Manufacturing Co., Ld.
23722. Stewarts and Lloyds Ld.
23731. Douzille.
23739. Casablancas.
23877. Trimming and Thackwell.
24001. Solanas.
24029. Platt.
24031. Hay.
24090. Corning Glass Works.
24093. Corning Glass Works.
24113. Callender's Cable and Construction Co., Ld.
24149. Gazdar.
24153. Mehta.
24165. Erskine-Cowper and D'Rozario.
24168. Elektrotechnische Fabrik Schmidt & Co., G. m. b. H.
24174. Condelex A. G.
24179. Remfry.
24180. Remfry.
24186. Owens-Illinois Glass Co.
24187. Professor Dr. Unger and Professor Dr. Hilpert.
24188. Alder & Mackay Ld.
24194. Seri Holding S. A.
24195. Dennison and Saxby & Farmer (India) Ld.
24198. Alexander.
24206. Stirling and Samuel Fox & Co., Ld.
24232. Peters and Kuhlisch.
24233. Krause.

Opposition Proceedings.

This is an opposition entered by Hermann Nier to the grant of a patent on application No. 24064 made by Hugo Schneider Aktiengesellschaft.

Amendment Proceedings.

15990. In pursuance of leave granted on the 25th February 1938, the above-numbered specification and drawings have been amended in the manner set forth in Part II of the *Gazette of India* dated the 20th November 1937.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

Nos. 23218 and 23234. Tadeusz Sendzimir.

Renewal Fees Paid.

PATENTS.

10293. Marconi's Wireless Telegraph Co., Ld. (To 18th May 1939).
10296. Gresham and anr. (To 16th May 1939).
10297. Gresham and anr. (To 16th May 1939).
12147. Spencer. (To 22nd March 1939).
12149. Hay. (To 22nd March 1939).
12191. International General Electric Co. Inc. (To 12th April 1939).
12425. General Railway Signal Co. (To 22nd July 1939).
13169. Beckinsale and anr. (To 19th April 1939).
13295. General Railway Signal Co. (To 22nd July 1939).
14128. Luis. (To 9th March 1939).
14129. Fraser and ors. (To 7th March 1939).
14158. Gresham and anr. (To 27th April 1939).
14208. Frenkel. (To 26th March 1939).
14299. International General Electric Co. Inc. (To 23rd April 1939).
14302. International General Electric Co. Inc. (To 23rd April 1939).
14472. Metropolitan Vickers Electrical Co., Ld. (altered to Associated Electrical Industries Ld.). (To 19th July 1939).
14552. Sinclair. (To 6th July 1939).
14587. Associated Electrical Industries Ld. (To 18th July 1939).

15567. Mundy and anr. (To 5th April 1939).
15630. Sacchi as administratrix of the Estate of Dr. Casale deceased. (To 15th April 1939).
15646. International General Electric Co. Inc. (To 22nd April 1939).
16176. The General Electric Co., Ld. (To 21st March 1939).
16567. George Spencer Moulton & Co., Ld., and anr. (To 6th March 1939).
16846. The Superheater Co., Ld. (To 16th April 1939).
16972. Fletcher and ors. (To 24th May 1939).
17008. Marconi's Wireless Telegraph Co., Ld. (To 23rd May 1939).
17824. Mackie and anr. (To 2nd March 1939).
17988. International General Electric Co., Inc. (To 27th April 1939).
18018. Marconi's Wireless Telegraph Co., Ld. (To 7th May 1939).
18104. Gresham and anr. (To 14th April 1939).
18142. Gresham and anr. (To 14th April 1939).
18166. J. Stone & Co., Ld. (To 25th July 1939).
18795. Garnett. (To 7th March 1939).
18867. Sardik Incorporated. (To 11th April 1939).
18873. The General Electric Co., Ld. (To 3rd March 1939).
18933. George Spencer Moulton & Co., Ld., and anr. (To 9th March 1939).
19001. Meiwald. (To 15th April 1939).
19002. Meiwald. (To 25th April 1939).
19296. George Spencer Moulton & Co., Ld., and anr. (To 22nd March 1939).
19406. Mohamed. (To 22nd November 1938).
19527. Fagergren. (To 25th April 1939).
19693. Godrej & Boyce Manufacturing Co., Ld. (To 27th February 1939).
19702. Sieff. (To 6th March 1939).
19804. Kirke. (To 10th April 1939).
19822. Ring Containers Ld. (To 21st April 1939).
19823. The General Electric Co., Ld. (To 15th March 1939).
19865. Gower and anr. (To 1st May 1939).
20090. Pestarini. (To 25th July 1939).
20091. Pestarini. (To 27th July 1939).
20092. Pestarini. (To 17th July 1939).
20680. Mauser and ors. (To 12th March 1939).
20747. Mebœ Ld., and anr. (To 3rd April 1939).
21024. Wood and anr. (To 17th July 1939).
21066. W. M. Still and Sons Ld. (To 11th August 1939).
21140. Gerrard Industries Ld. (To 30th September 1939).
21663. The General Electric Co., Ld. (To 17th December 1939).
21761. Saunders. (To 26th April 1939).

Cessation of Patents.

2826. Griffin.
9841. Coley.
17567. MacNab.
18518. Muhlig.
19254. Marconi's Wireless Telegraph Co., Ld.
19373. Goodlass Wall & Lead Industries Ld.
20094. The Stanton Ironworks Co., Ld., and anr.
20379. Shahu.
20380. Shahu.
20384. Skelton.
20386. Ranu.
20387. James Taylor & Sons Ld.
20388. N. V. Philips Gloeilampenfabrieken.
20389. Ward.
20396. Alcock.
21039. Roberts.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets:—

Class 2. No. 62846. Shiam Lal, Proprietor, Kanhiya Lal D. A. V. High School Book Depot, Roorkee, U. P., December 14, 1937.

Class 3. No. 63013. The Southern India Trading Co., of 83 Sembudoss Street, Madras, British India. January 29, 1938.

Class 9. No. 63042. Kamelin Lace Mills Ld., of Roshanara Road, Delhi. February 10, 1938.

Class 13. No. 63039. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. February 8, 1938.

Class 13. No. 63043. The Mafatlal Fine Spg. and Manufacturing Co., Ld., of Navsari, Baroda State. February 10, 1938.

Class 14. No. 63040. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. February 8, 1938.

Cancellation of the Registration of Design.

In accordance with the decision of the Controller of Patents and Designs dated the 22nd February 1938, the application under Section 51A of the Indian Patents and Designs Act, 1911, filed by A. Dorasami Mudaliar for cancellation of the registration of design No. 61720 and notified in Part II of the *Gazette of India*, dated the 15th January 1938, has been dismissed.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935,

These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). . .	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,
Controller of Patents and Designs.

IMPERIAL BANK OF INDIA.

NOTICES.

Calcutta, the 24th February 1938.

In pursuance of Schedule II, Regulation 51 of the Imperial Bank of India Act, 1920, the Central Board have empowered Mr. Jog Dhian Minocha, clerk at Khewra Salt Depot, to endorse railway receipts and execute Indemnity Bonds in respect of lost railway receipts on behalf of the Bank.

Calcutta, the 24th February 1938.

The following appointment on the Bank's Staff is hereby notified:—

Mr. R. C. Anderson to officiate as Manager, Cawnpore District, as from the forenoon of the 18th February 1938, *vice* Mr. D. F. Sanders.

W. LAMOND,
Managing Director.

Bombay, the 1st March 1938.

The following appointment on the Bank's Staff is hereby notified:—

Mr. V. A. Venkataraman to be Accountant at Quetta Branch as from 25th February 1938 *vice* Mr. W. P. Griffith.

A. McCULLOCH,
Secretary and Treasurer.

CURRENCY NOTES.

Bombay, the 24th February 1938.

Portions of the following notes of the Bomba[y] Office of Issue are stated to have been destroyed and payment of their value has been claimed by the person whose name is placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Notes.	Value.	Name of claimant.
D-5 of 38 .	S/40-473408	For Rs. 100 each.	Mr. Gopinath, S/o Laxminarayan, Kua Wali Gali, Muttra.
	S/40-525204		
	S/40-525205		
	S/40-525209		
	S/40-525210		
	S/40-525230		
	S/40-525236		
	S/40-525237		

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, BOMBAY.

V. G. DESHMUKH,
Currency Officer.

Madras, the 24th February 1938.

Portions of the following notes of the Madras Office of Issue are stated to have been destroyed and an application for payment of their value has been received from the person whose name is shown against the numbers. Any other person who considers himself as having a right to them is warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
JC/38-99393	500	S. P. Thoda Thamma Chettiar, Merchant, Market, Ootacamund.
JC/38-99399	500	
JE/65-19875	1,000	
TE/70-72875	1,000	

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, MADRAS.

V. S. MARBALLI,
Currency Officer.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on:
- Week-days and Saturdays from 10 A.M. to 7 P.M.
- Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 5th March 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

IMPERIAL VETERINARY RESEARCH INSTITUTE, MUKTESWAR.

NOTIFICATION.

Mukteswar-Kumaun, U. P., the 24th February 1938.

No. C./179.—In continuation of this office Notification No. C./43, dated the 14th January 1938, Mr. N. C. Sen, G.C.V.C., Offg. Veterinary Deputy Superintendent, Imperial Veterinary Research Institute, Mukteswar, is appointed as Offg. Veterinary Deputy Superintendent, Biological Products Section, Izatnagar, from 1st March 1938 *vice* Khan Sahib Abdul Ghani.

Mr. J. A. Idnani, G.B.V.C., Offg. Senior Veterinary Inspector, Mukteswar, is appointed as Offg. Veterinary Deputy Superintendent, Mukteswar, *vice* Mr. N. C. Sen.

W. TAYLOR,
Offg. Director,
Imperial Veterinary Research Institute.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI.

NOTIFICATION.

New Delhi, the 1st March 1938.

No. 1687.—Mr. L. S. Subramaniam, Assistant Sugarcane Mycologist, Imperial Agricultural Research Institute, is granted leave on average pay for 2 months and 16 days from 4th April 1938 or any subsequent date from which he may avail himself of it.

B. VISWA NATH,
Director.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATION.

P. O. New Forest (Dehra Dun), the 26th February, 1938.

No. 179.—Mr. S. Ramaswami, Assistant Minor Forest Products Officer of the Forest Research Institute, Dehra Dun, is granted leave out of India on average pay for 8 months with effect from the 24th February, 1938.

L. R. SABHARWAL,
for Inspector General of Forests.

GEOLOGICAL SURVEY OF INDIA.

NOTIFICATIONS.

Calcutta, the 23rd February, 1938.

No. 1200/1800.—Mr. P. C. Das Hazra, B.Sc. (London), A.R.C.S., A.R.S.M., is confirmed in his appointment as Assistant Geologist, Geological Survey of India, with effect from the 1st March 1938.

No. 1204/1879.—Mr. V. R. R. Khedker, M.Sc., is confirmed in his appointment as Assistant Geologist, Geological Survey of India, with effect from the 1st March 1938.

A. M. HERON,
Director,
Geological Survey of India.

INTELLIGENCE BUREAU, HOME DEPARTMENT, GOVERNMENT OF INDIA.

NOTIFICATION.

New Delhi, the 25th February 1938.

No. 34/Ests./35.—(i) Mr. E V. Drake, Chief Superintendent, Intelligence Bureau, is granted leave on average pay for 7 months and 21 days with effect from the 28th March 1938.

(ii) Mr. R. D. Mackay, Superintendent, Intelligence Bureau, is appointed to officiate as Chief Superintendent, Intelligence Bureau, *vice* Mr. Drake granted leave.

P. C. BAMFORD,
for Director, Intelligence Bureau,
Home Department, Government of India.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATION.

New Delhi, the 26th February, 1938.

No. 80-P.—Subadar Bhupendranath Lahiri, I.M.D., employed at the Pasteur Institute of India, Kasauli, is granted leave on average pay for two months, with effect from the 7th February 1938.

E. W. C. BRADFIELD,
Major-General, I.M.S.,
Director General, I. M. S.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 25th February 1938.

No. 204-An.—Mr. H. C. De, a Dy. Asstt. Contr. of Mily. Accounts in the office of the Controller of Military Accounts, Eastern Command, has been granted an extension of privilege leave for 7 days with effect from the 20th February 1938 in continuation of the leave granted to him in this Department notification No. 167-An., dated the 29th November 1937 published in Gazette of India, Part II, dated the 4th December 1937. He is permitted to affix Sunday the 27th February 1938 and the gazetted holiday on the 28th February 1938 to this leave.

No. 205-An.—Mr. N. C. Dutt, Deputy Assistant Controller, Army Factory Accounts, Rifle Factory, Ishapore, was granted privilege leave for one month and 9 days with effect from the forenoon of the 15th November 1937 with permission to prefix the Jagodhatri Puja holidays and Sunday from the 12th November 1937 to the 14th November 1937 and to affix the Christmas and New Year's holidays and Sunday from the 24th December 1937 to 2nd January 1938 to this leave.

No. 206-An.—Mr. B. Bose, an accountant in the office of the Controller of Army Factory Accounts, was appointed to officiate as Deputy Assistant Controller of Army Factory Accounts, Rifle Factory, Ishapore, with effect from the forenoon of the 15th November 1937 to the afternoon of the 23rd December 1937. He has been re-appointed to officiate as a Deputy Assistant Controller of Army Factory Accounts in that Factory with effect from the forenoon of the 3rd January 1938.

No. 207-An.—Rai Sahib U. N. Ghosh, a Deputy Assistant Controller of Army Factory Accounts in the office of the Controller of Army Factory Accounts has been granted privilege leave for 2 months and 10 days with effect from the forenoon of the 3rd January 1938 with permission to prefix the Christmas and New Year's holidays and Sunday from the 24th December 1937 to the 2nd January 1938 and to affix Sunday the 13th March 1938 to this leave.

No. 208-An.—Mr. A. P. Banerjee, a Deputy Assistant Controller of Army Factory Accounts in the office of the Controller of Army Factory Accounts has been granted privilege leave for 27 days with effect from the forenoon of the 14th February 1938 with permission to prefix the gazetted holidays on the 11th and 12th February 1938 and Sunday the 13th February 1938 and affix Sunday the 13th March 1938 to this leave.

No. 209-An.—Mr. K. S. S. Iyer, an accountant in the office of the Controller of Army Factory Accounts has been appointed to officiate as a Deputy Assistant Controller of Army Factory Accounts in that office with effect from the forenoon of the 14th February 1938.

M. R. COBURN,
Military Accountant General.

INCOME TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 24th February 1938.

No. 16017/2-E./4-C.T.—Mr. M. Mannan, B.Sc., Officiating Income-tax Officer, Rajshahi-Pabna is, on the expiry of his leave, appointed temporarily to act as Income-tax Officer, District V-A, Calcutta, *vice* Mr. S. J. Ahmed, M.A., transferred.

2. He should join District V-A, Calcutta on the 1st March 1938.

S. N. BANERJEA,

Commissioner of Income Tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 22nd February 1938.

No. E. P.-332.—Mr. Dev Dutt, Executive Engineer, Senior Scale, has been granted 8 months leave on average pay out of India, with effect from the 27th February 1938 or subsequent date of relief. This cancels notification No. E. P.-332, dated the 3rd February 1938, published in the *Gazette of India*, Part II, dated the 12th February 1938.

Calcutta, the 25th February 1938.

No. E.E.-26.—Mr. P. L. Gupta, Executive Engineer, Senior Scale, has been granted one month's leave on average pay, with effect from the 14th February 1938.

No. E.P.-536/2.—Capt. R. Gardiner, R.E., Executive Engineer, Junior Scale, has been granted 7 months and 20 days leave on average pay out of India, with effect from the 31st March 1938 or subsequent date of relief.

Calcutta, the 28th February 1938.

No. 330/20-B.—Mr. T. Kidd, officiating Superintendent, Mechanical Engineering and Transportation (Power) Department, has been granted 8 months leave on average pay *plus* 26 days leave on half average pay out of India, with effect from the 1st March 1938 or subsequent date of relief.

No. O.P.E.-418-P.-5.—Mr. R. B. H. Whitby, Superintendent, Senior Scale, Transportation (Traffic) and Commercial Department, has been granted 4 months' privilege leave combined with 1 month's furlough on full pay *plus* 3 months' furlough on half pay out of India, with effect from the 4th March 1938 or subsequent date of relief.

Calcutta, the 1st March 1938.

No. H.E.-17.—Dr. K. D. Bhave, District Medical Officer, has been granted 2 months and 25 days' leave on average pay in India, with effect from the 7th March 1938 or subsequent date of relief.

J. A. BELL,

Agent.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 19th February 1938.

No. 23.—Mr. H. G. Handley, Chief Draughtsman, is granted leave (out of India) for 12 months, *viz.*, leave on average pay for 8 months and on half average pay for the remaining period, with effect from 15th April 1938 or subsequent date of relief.

Lahore, the 22nd February 1938.

No. 25.—Mr. A. S. Faruqui, Assistant Executive Engineer, is granted leave on average pay for 2 months, with effect from 1st March 1938 or subsequent date of relief.

No. 26.—Mr. I. C. Mittal, Assistant Executive Engineer, is granted furlough on full substantive pay for two months, with effect from 2nd February 1938 in continuation of privilege leave for 4 months granted to him under this office Notification No. 102, dated 21st September 1937 under the E. I. Railway Leave Rules.

No. 27.—Mr. G. W. P. Avery, Divisional Transportation Officer, is granted leave (out of India) for six months, *viz.*, leave on average pay for five months and six days and in continuation thereof leave on half average pay for the remaining period, with effect from 3rd April 1938 or subsequent date of relief.

Lahore, the 23rd February 1938.

No. 28.—Mr. J. V. Stuart Edwards, Assistant Engineer, is granted leave (out of India) for eight months, *viz.*, leave on average pay for four months and on half average pay for the remaining period, with effect from 10th March 1938 or subsequent date of relief.

(2) This cancels this office notification No. 16, dated 7th February 1938.

Lahore, the 25th February 1938.

No. 29.—Mr. C. S. Lall, an officer on probation in the Junior Scale of the Transportation (Power) and Mechanical Engineering Branch, is confirmed in his appointment, with effect from the 17th January 1938.

C. F. CARSON,

Lt.-Col., R.E.,

Agent,

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATIONS.

Bombay, the 22nd February 1938.

No. 21620-S.-2087.—1. Dr. H. R. Rishworth, District Medical Officer, has been granted 12 months and 15 days combined leave (*viz.*, 16 days' privilege and 11 months and 29 days' furlough on half pay), with effect from 18th October 1937 with permission to prefix Sunday, 17th October 1937. This supersedes the previous notification of leave granted to Dr. Rishworth *vide* Notification No. 21620-S.-2028 of 17th November 1937.

2. Mr. L. R. Hyde, Assistant Electrical Engineer (Lower Gazetted Service), has been granted 7 months and 7 days combined leave (*viz.*, 3 months and 10 days privilege, 3 months and 27 days furlough on full pay) from 7th February 1938.

3. Mr. V. R. Ghule, District Commercial Inspector, has been appointed to officiate as Assistant Traffic Manager in the Lower Gazetted Service, with effect from 17th January 1938.

4. Mr. T. J. P. Osborne, Foreman, has been appointed to officiate as Assistant Mechanical Engineer in the Lower Gazetted Service from 24th January 1938.

Bombay, the 25th February 1938.

No. 21620-S.-2092.—Mr. V. Nilakantan, Assistant Transportation Superintendent (Junior Scale), has been granted 23 days leave on average full pay (*viz.*, 12 days against one-eleventh under Fundamental Rules and 11 days under State Railway Leave Rules), with effect from 7th February, 1938.

Mr. L. H. Ham, Assistant Engineer (Steam) (Junior Scale), has been granted 7 months and 11 days leave (*viz.*, 6 months on average pay and 1 month and 11 days on half average pay), with effect from 19th February 1938.

Mr. F. Samuel, Office Superintendent, has been appointed to officiate as Assistant Transportation Superintendent in the Lower Gazetted Service. with effect from 27th December 1937.

Mr. M. G. Iyer, Assistant Transportation Superintendent (Junior Scale), has been appointed to officiate in the Senior Scale, with effect from 7th February 1938.

Mr. P. K. Snelleksz, Transportation Inspector, has been appointed to officiate as Assistant Transportation Superintendent in the Lower Gazetted Service, with effect from 7th February 1938.

Mr. N. K. Warrior, Electrical Foreman, has been appointed to officiate as Assistant Electrical Engineer in the Lower Gazetted Service, with effect from 7th February 1938.

L. WILSON,

Agent.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

New Delhi, the 3rd March 1938.

No. S.-77/4.—Rao Bahadur G. N. Naidu, B.A., B.L., Deputy Postmaster-General, Central Circle, is granted leave on half average pay for one month, with effect from the 17th February 1938 in further extension of the leave granted to him in this Department, Notification No. S.-77/4, dated the 20th January 1938.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

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	CO-OPERATIVE MOVEMENT IN INDIA—	
	STATISTICAL STATEMENTS—	
DGCIS.42.36.	1935-36.	*Re. 1-8 or 2s. 6d.*
	COTTON SPINNING AND WEAVING IN INDIAN MILLS—	
DGCIS.12.9.37.	September 1937.	*As. 10 or 1s.*
	EXPORTS OF INDIAN ARTWARE AND SPORTS GOODS—	
DGCIS.14.11.37.	November 1937.	*Re. 1-2 or 2s.*
	INDUSTRIES OF INDIA. MONTHLY STATISTICS OF THE PRODUCTION OF CERTAIN SELECTED—	
DGCIS.16.9.37.	September 1937.	*As. 2 or 3d.*
	JOINT STOCK COMPANIES	
DGCIS.17.9.37.	September 1937.	*As. 10 or 1s.*
	TRADE AND NAVIGATION—	
	BRITISH INDIA. MONTHLY ACCOUNTS RELATING TO—Coasting—	
DGCIS.11.10.37.	October 1937.	*Rs. 4 or 6s. 9d.*
	Sea-borne—	
DGCIS.13.12.37.	December 1937.	*Re. 1-6 or 2s. 3d.*
	TRADE AT STATIONS ADJACENT TO LAND FRONTIER ROUTES—	
DGCIS.18.10.37.	October 1937.	*As. 14 or 1s. 6d.*
	TRADE OF INDIA—	
	INLAND (RAIL AND RIVER-BORNE). ACCOUNTS RELATING TO—	
DGCIS.19.8.37.	August 1937.	*Rs. 2-2 or 4s.*
	TRADE STATISTICS—	
	MARITIME STATES IN KATHIAWAR AND THE STATE OF TRAVANCORE—	*Rs. 3-6 or 5s. 9d. each.*
DGCIS.20.10.37.	October 1937.	
DGCIS.20.11.37.	November 1937.	
	RAW COTTON—	
DGCIS.21.9.37.	September 1937.	*Re. 1-12 or 3s.*
	WHOLESALE PRICES OF CERTAIN STAPLE ARTICLES OF TRADE AT SELECTED STATIONS IN INDIA—	
DGCIS.22.4.37.	No. 4 of 1937.	*As. 5 or 6d.*

NOTICE.—**Books and Acts required for private use must be purchased. Application should be accompanied by a remittance, unless it is wished that the book should be sent by value-payable post. Books and Acts required for the public service should be obtained through the Local Government to whom the applicant is subordinate.**

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, MARCH 12, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

Annual rates of subscription including packing and Indian postage.

	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0
Parts I, II, II-A and III (together)	35	0	0
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Part II	12	0	0
Part II-A	15	0	0
Part III	12	0	0
Part IV	3	4	0
Part V	3	4	0
Parts IV and V (together)	6	0	0
Supplement only	10	0	0

Price for single copies including packing and Indian postage.

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Gazette and Supplement	1	0	0
Parts I, II, II-A, III or Supplement each	0	6	0
Part I-A	0	3	0
Part IV	0	3	0
Part V	0	3	0
Parts IV and V (together)	0	6	0
Extraordinary issues	Price fixed for each issue.		

The above rates are under revision

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Local Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 12th March 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

February 26, 1938.

24987. Western Products Co. Ld. A process of treating glass. (March 18, 1937).

March 1.

24988. C. W. Cheney & Son Ld., and C. W. Cheney. Improvements in keys for locks.

24989. The British Ropeway Engineering Co. Ld. Improvements in or relating to aerial ropeways and the like.

24990. Societe Anonyme, Stabilimenti Di Dalmine. Method and apparatus for the external coating of metal tubes with bituminous materials.

24991. Hannoversche Maschinenbau-Actien-Gessellschaft vormals Georg Egestorff (Hanomag). Improvements in apparatus for operating dust-fuelled engines.

24992. International General Electric Co. Inc. Improvements in or relating to dynamo-electric machines.

24993. W. P. Harris and Clayton Dewandre Co. Ld. Improvements in or relating to machines for printing and issuing tickets.

24994. National Processes Ld. Improvements in or relating to the rot-proofing of materials. (March 2, 1937).

24995. Dr. Ing. C. Weicken & Co. Kommanditgessellschaft. Improvements in filling and closing devices for cigarette casings.

24996. The Minster Linen Process Co. Ld. Waterproof collars, cuffs and the like.

24997. The Dorr Co. Inc. Flocculation and sedimentation apparatus.

24998. Mushtaq Ali Khan. Improvements in or relating to the manufacture of glass rings and particularly bangles.

March 3.

24999. Kailash Narayan. Improvements in and relating to bags or sacks and to sealing means for the same.

March 4.

25000. K. Sakamoto. A shuttle change mechanism for power looms.

25001. S. Perry. Apparatus for drawing attention of drivers of locomotives to signals.

25002. Pilkington Brothers Ld. Improvements in and relating to the tempering of hollow glass articles.

Alteration of Date.

23750. The claim to priority date the 21st March 1936 has been abandoned and the application dated as of the 4th March 1937, the date of filing in India.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23733. K. Mikimoto. Improvements in production of culture pearls. *Inserting a very small piece of the mantle with epithelium of a living mother-of-pearl into the body and injecting a liquid including a soluble calcium salt and vitamin D.*

23737. F. Singer. Improvements relating to furniture. *Cantilever chair or like in which horizontal seat-supporting portion is of X-form.*

23750. A. E. Roberts and W. Watkins. Improvements in or relating to the crease-resisting treatment of textile fabrics, yarns and fibres. *Reinforcement forming substances applied to fibres and hardened by chemical treatment.*

23776. Vereinigte Glühlampen Und Electricitats Aktiengesellschaft. Process for the manufacture of spiral helical filament bodies for electric incandescent lamps. (February 6, 1937). *Incandescent body is covered with protective layer before treatment with solvent.*

23808. The American Rolling Mill Co. Methods of rolling metal. *Shearing the rough plate packs having convexity and elongating the pieces first transversely and then in the direction of rolling.*

23841. Allmanna Svenska Elektriska Aktiebolaget. Improved means and methods of drying materials and more particularly applicable to the withering of tea leaf. *Drying medium passing through a closed circuit comprising a heat transfer system containing a condenser unit and an evaporator unit connected to the ends of the drying chamber.*

24046. Standard Alcohol Co. Process for manufacturing oxygenated products from olefins. *Separating the oxygenated product and continuously reacting the olefin with the catalyst.*

24270. M. S. Garewal. An improved strainer. [Addition to No. 23131]. *Spacing blocks secured to the straining sheet.*

24275. T. Shiraishi. Method of manufacturing neutral colloidal calcium carbonate. *Converting a 10-30% milky solution of calcium hydroxide first into the basic carbonate by treating with CO_2 at below 35° C and then continuing the action of the gas till the neutral carbonate is formed.*

24285. International Hydrogenation Patents Co. Ld. Low temperature hydrogenation process. *Treating in the liquid phase with hydrogenating gases at above 50 atmospheres and at 270° to 420°C so that less than 5% gaseous hydrocarbons and less than 20% of products boiling below 350°C are formed.*

24384. Studien-und Verwertungsgesellschaft mit beschrankter Haftung. Process for producing paraffin by catalytic synthesis from gases containing carbon monoxide and hydrogen. (July 17, 1937). *Catalytic synthesis from gases containing carbon monoxide and hydrogen using as catalyst solid cobalt impregnated with paraffin at temperatures below 250°C.*

24486. T. M. Dowling. An improved preparation for killing germs and parasites in human system. *Extracting herbs of the gentianacea family with alcohol in the presence of asperin.*

24591. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to electron discharge device circuit arrangements and gain control circuits therefor. (December 11, 1936). *Gain obtained from both valves is the differential resultant of their actions.*

24641. E. D. O. Bernier. Improvements in and relating to apparatus for assembling hollow building blocks. *Plurality of rotatable platforms and presser heads with means for actuating each head, for releasing pressure and for discharging united blocks.*

24661. A. E. Shiner. Improvements in and relating to twist drills. (November 24, 1936). *Auxiliary grooves or flutes of dihedral form arranged in the main and the depth of each increases in a direction from its outer limit.*

24678. F. H. Watson. Improvements in processes of and machines for ginning cotton. *Seeds centrifugally discharged and the lint retained by the teeth of the rapidly travelling endless belt and then doffed.*

24695. Bolinder's Fabricks Aktiebolag. Dish-washing machine. *A spraying system for washing and a spraying system for rinsing liquid operatively interconnected.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each:—

23588. Government Central Press, H. E. H. the Nizam's Government.
23589. Government Central Press, H. E. H. the Nizam's Government.
23598. Cosserat.
23610. Ghosh.
23613. Standard Telephones and Cables Ld.
23624. Filter Tips Ld.
23826. Davidson and Co. Ld.
24060. Williams.
24368. Lentz.
24389. Metropolitan-Vickers Electrical Company, Limited.
24390. Metropolitan-Vickers Electrical Company' Limited.
24447. Rogers, and Whitelegg & Rogers, Limited.
24473. Morawetz.
24479. Candy Filters (India) Limited and Aitken.
24541. Sharp & Dohme, Incorporated.
24542. Sharp & Dohme, Incorporated.

Patents Sealed.

23182. Ghosh.
23190. Greenfield.
23264. Ghosh.
23265. Ghosh.
23344. Photosculpture Ld.
23345. Photosculpture Ld.
23349. Allis-Chalmers Manufacturing Co.
23356. Imperial Chemical Industries Ld.
23380. Electric & Musical Industries Ld.
23427. Barlow and Blakeway.
23502. Marconi's Wireless Telegraph Co. Ld.
23626. Houdry Process Corporation.
23632. The Metal Box Co. Ld.
23660. Hersey.
23782. Dr. Kochmann.
23794. Charles Twigg & Co. Ld., and Twigg.
23804. Harvey.
23814. Sidhwa and Sidhwa.
23820. Dr. Hugo Remmler Aktiengesellschaft.
23855. Sharma.
23869. Universal Oil Products Co.
23875. Greenfield.
23909. Goodlass Wall & Lead Industries Ld.
23919. Mohamad Jan.
23941. Henry.
23952. Carrier Corporation.
23970. Gomme.
24034. Sthyr and Sthyr & Partners Ld.
24063. Metropolitan-Vickers Electrical Co. Ld.
24078. Mehta.
24079. Mehta.
24091. Corning Glass Works.
24120. Feldspathic Research Corporation.
24161. National Carbonising Co. Ld., and Griggs.
24219. Lindmark.
24221. Det Norske Aktieselskab For Elektrokemisk Industri.
24229. Armstrong-Bentley Ld.
24269. Heller and Foges.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest:—

No. 9003. U. S. Rustless Steel & Iron Corporation.

No. 20468. Bilfix Lock Co. Ld.

Renewal Fees Paid

PATENTS.

9081. von Platen and ors. (To 7th March 1939).
9101. Chemische Fabrik Griesheim Elektron (altered to I. G. Farbenindustrie Aktiengesellschaft). (To 13th March 1939).
10208. Guest Keen & Nettlefolds Ld., and anr. (To 31st March 1939).
10284. Kershaw and ors. (To 26th April 1939).
10818. Guest Keen & Nettlefolds Ld., and anr. (To 31st March 1939).
12119. The Corporation of I. G. Farbenindustrie Aktiengesellschaft. (To 8th March 1939).
12153. Itier. (To 22nd March 1939).
12200. Braithwaite & Co. Engineers Ld., and anr. (To 16th April 1939).
12597. Pirelli & Co. (To 3rd May 1939).
13242. Societe Alsacienne de Constructions Mecaniques. (To 10th May 1939).
13880. Colombo Commercial Co. Ld. (To 8th April 1939).
14133. Walter Locke & Co., Ld. (To 7th March 1939).
14273. Pontoppidan. (To 16th April 1939).
14554. Severin. (To 9th July 1939).
15517. Dr. Geisel. (To 27th March 1939).
15538. Carpentier and ors. (To 26th March 1939).
15610. The Barrett Co. (To 10th April 1939).
15688. Julius and anr. (To 29th April 1939).
15827. I. G. Farbenindustrie Aktiengesellschaft. (To 28th May 1939).
15905. I. G. Farbenindustrie Aktiengesellschaft. (To 19th June 1939).
16010. The Anode Rubber Co. Ld. (To 4th April 1939).
16119. Fry's Metal Foundries Ld. (To 10th August 1939).
16296. "Smelting" Metallurgical & Metal Works Ld. (To 29th May 1939).
16394. The British Tabulating Machine Co. Ld. (To 28th March 1939).
16794. Eichenberg and anr. (To 10th March 1939).
16838. The British Steel Piling Co. Ld. (To 11th May 1939).
16867. Casablancas. (To 31st March 1939).
16883. R. L. Ross & Co. Ld., and anr. (To 25th April 1939).
16943. Good Roads Equipment Corporation. (To 28th April 1939).
17565. Warren. (To 18th November 1938.)
17814. Dunlop Rubber Co. Ld., and ors. (To 22nd April 1939).
17931. I. G. Farbenindustrie Aktiengesellschaft. (To 7th April 1939).
17938. Firma J. M. Voith. (To 9th April 1939).
17976. Dunlop Rubber Co. Ld., and ors. (To 20th April 1939).
17984. Seamark. (To 27th April 1939).
18036. I. G. Farbenindustrie Aktiengesellschaft. (To 11th May 1939).
18052. Julius and anr. (To 18th May 1939).
18072. I. G. Farbenindustrie Aktiengesellschaft. (To 25th May 1939).
18144. I. G. Farbenindustrie Aktiengesellschaft. (To 22nd June 1939).
18157. General Plate Co. (To 29th June 1939).
18843. Mathee'. (To 1st April 1939).
18849. Wilmot Mansour & Co. Ld., and ors. (To 4th April 1939).
18853. Gray and ors. (To 30th April 1939).
18854. Victory Valves Ld., and ors. (To 30th April 1939).
18871. Monten. (To 11th April 1939).
18886. Bindley. (To 18th April 1939).
18891. The Cold Metal Process Co. (To 18th April 1939).
18892. The Cold Metal Process Co. (To 18th April 1939).
18898. Firm Hermann Nier. (To 22nd April 1939).
18904. Saxby & Farmer (India) Ld. (To 23rd April 1939).
19016. Societe Italiana Pirelli. (To 2nd May 1939).
19104. H. H. Robertson Co. (To 19th April 1939).
19125. Vereinigte Stahlwerke Aktiengesellschaft. (To 10th August 1939).
19134. Electrolux Ld. (To 17th March 1939).
19135. Electrolux Ld. (To 17th March 1939).
19703. Marconi's Wireless Telegraph Co. Ld. (To 6th March 1939).
19735. Downer. (To 20th March 1939).
19768. No-Nail Cases Proprietary Ld. (To 2nd April 1939).
19770. Hermann Nier. (To 1st April 1939).
19775. The Vacuum Brake Co. Ld. (To 23rd April 1939).
19818. Clayton. (To 18th April 1939).
19826. I. G. Farbenindustrie Aktiengesellschaft. (To 18th April 1939).
19828. Dunn. (To 18th April 1939).
19831. Nier. (To 18th April 1939).
19889. No-Nail Cases Proprietary Ld. (To 14th May 1939).
19901. Thakordas. (To 15th May 1939).
19905. Imperial Chemical Industries Ld. (To 15th May 1939).
19930. Fried. Krupp Grusonwerk Aktiengesellschaft. (To 24th May 1939).
19999. I. G. Farbenindustrie Aktiengesellschaft. (To 12th June 1939).
20021. I. G. Farbenindustrie Aktiengesellschaft. (To 19th June 1939).
20022. I. G. Farbenindustrie Aktiengesellschaft. (To 19th June 1939).
20129. Electrolux Ld. (To 17th March 1939).
20408. Wigren and ors. (To 27th November 1938).
20651. Goodchild and ors. (To 2nd March 1939).
20663. West and ors. (To 5th March 1939).
20679. N. V. Philips Gloeilampenfabrieken. (To 12th March 1939).
20685. Hazelett. (To 16th May 1939).
20687. The General Electric Co. Ld., and anr. (To 12th March 1939).
20696. Bhathena. (To 16th March 1939).
20703. Rotary Knit-Weave Looms Ld. (To 3rd April 1939).
20743. Haack and ors. (To 3rd April 1939).
20751. Teatini. (To 19th May 1939).
20762. Borofski. (To 9th April 1939).
20765. Tollefsen. (To 9th April 1939).
20775. Metallgesellschaft Aktiengesellschaft. (To 9th April 1939).
20795. Nier. (To 17th April 1939).
20804. Wood and ors. (To 21st April 1939).
20810. Leichtbaustoff-Gesellschaft m.b.H. (To 23rd April 1939).
20822. Imperial Chemical Industries Ld. (To 3rd May 1939).
20860. I. G. Farbenindustrie Aktiengesellschaft. (To 14th May 1939).

20893. Hardina. (To 17th June 1939).
20984. Metallgesellschaft Aktiengesellschaft. (To 14th April 1939).
21699. Koreshi. (To 6th March 1940).
21763. Bunting. (To 11th June 1939).

Cessation of Patents.

8808. Layraud.
9857. Petroleum Rectifying Co. of California.
13671. G. D. Peters & Co., Ld., and anr.
13950. Dr. van Royen.
13951. Dr. van Royen.
16472. Treschow.
18546. Eisen Und Stahlwerk Walter Peyinghaus.
19416. Gillette Safety Razor Co.
20115. Automatic Lubrication Ld.
20361. Williams.
20407. Imperial Chemical Industries Ld.
20413. The Cement Marketing Co., Ld.
21325. The General Electric Co., Ld.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 1. No. 62760. Seiichiro Yamamoto, trading as Hong Hoe Hing Kongsi at No. 20-21, Hylam Street, Singapore, Straits Settlements. November 19, 1937. (Reciprocity Date July 7, 1937).

Class 4. No. 63058. Alfred de Luze, of 88, Quai des Chartrons, Bordeaux, France. February 14, 1938.

Class 13. Nos. 63022 to 63024. Alarakh Khajuji Chhipa, of near Nagin Masjid, Tajpur, Ahmedabad, January 31, 1938.

Class 13. Nos. 63044 to 63051. The Khatau Makanji Spinning & Weaving Co., Ld., of Laxmi Building, Ballard Pier, Fort, Bombay, British India. February 10, 1938.

Class 13. Nos. 63060 to 63062. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. February 16, 1938.

Class 13. No. 63063. The Indian Bleaching, Dyeing & Printing Works Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. February 17, 1938.

Class 13. Nos. 63067, 63071 to 63085. Toyo Menka Kaisha, Ld., of No. 5, Royal Exchange Place, Calcutta, British India. February 18, 1938.

Extension of Copyright in Designs.

Copyright in the following design has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of the entry is the date of registration of the design included in that entry :—

Class 13. No. 33522. The Bombay Co. Ld., of 8, Lyons Range, Calcutta, British India. May 19, 1928.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of the entry is the date of registration of the designs included in that entry :—

Class 1. Nos. 56884 and 56885. Friedrich Wilhelm Luling, of Volmarstein on the Ruhr, Germany. July 4, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library.
MADRAS	Record Office, Egmore.
Do.	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa.
POONA	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

RESERVE BANK OF INDIA—PUBLIC DEBT OFFICE.

Statement of Government Promissory Notes enfaced for payment of Interest in London, under deduction of amount re-transferred to India, and outstanding in the Books of the Indian Government Rupee Loans Office, Reserve Bank of India, on the 28th February 1938.

PARTICULARS.	2½ PER CENT. LOAN.	3 PER CENT. LOANS.			3½ PER CENT. LOANS.					
	1948-52.	1896-97.	BONDS, 1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.
Balance of 31st January 1938.	Nil	11,40,600	Nil	1,06,700	27,15,600	97,12,000	40,74,500	11,00,100	4,10,050	3,30,60,300
Add—										
Amount of Loan Certificate transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to .	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to 4th February 1938 . .	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Calcutta between and 193 .	...	...	...	...	...	...	...	...	...	...
	Nil	11,40,600	Nil	1,06,700	27,15,600	97,12,000	40,74,500	11,00,100	4,10,050	3,30,60,300
Deduct—										
Amount written off in the London Registers . .	...	...		...	11,000	69,500	9,200	1,000	4,800	...
Balance on 28th February 1938 .	Nil	11,40,600	Nil	1,06,700	27,04,600	96,42,500	40,65,300	10,99,100	4,05,250	3,30,60,300

PARTICULARS.	4 PER CENT. LOANS.		4½ PER CENT. LOAN.	5 PER CENT. LOANS.				5½ PER CENT. LOANS.		TOTAL.
	BONDS, 1943.	1960-70.	1955-60.	Indian War Loan, 1929-47.	1945-55.	1939-44.	1940-43.	War Bonds, 1928.	1938-40.	
Balance of 31st January 1938 .	2,00,00,000	4,74,400	18,500	100	23,50,900	6,21,300	4,95,100	100	1,78,600	7,64,58[illegible]
Add—										
Amount of Loan Certificate transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to .	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to 4th February 1938 . .	...	...	...	...	5,000	...	...	...	9,400	14,[illegible]
Amount enfaced at Calcutta between and 193 .	...	...	...	...	...	...	...	...	...	...
	2,00,00,000	4,74,400	18,500	100	23,55,900	6,21,300	4,95,100	100	1,88,000	7,64,7[illegible]
Deduct—										
Amount written off in the London Registers . .	...	...	...	...	...	...	...	...	...	95[illegible]
Balance on 28th February 1938 .	2,00,00,000	4,74,400	18,500	100	23,55,900	6,21,300	4,95,100	100	1,88,000	7,63,7[illegible]

RESERVE BANK OF INDIA ;
PUBLIC DEBT OFFICE ;
Calcutta, the 5th March 1938.

F. H. GODWIN,
Accountant.

L. PERTWEE,
Manager.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Return of the Rupee Debt of the Central Government of India for 31st December 1937.

[Thousands of Rupees]

PUBLIC DEBT BEARING INTEREST.

Particulars.	Date of issue.	Conditions of Repayment.	Amount outstanding.	TOTAL.
			Rs.	Rs.
TREASURY BILLS	..	....	39,16,50	
WAYS AND MEANS ADVANCES.	..	....	2,00,00	
POST OFFICE CASH CERTIFICATES.	..	....	60,95,16	
POST OFFICE SAVINGS BANK DEPOSITS.	..	....	78,58,90	
PROVIDENT FUNDS AND OTHER UNFUNDED DEBT.	..	....	95,08,97	2,75,79,53
TERMINABLE LOANS—				
[illegible]% Loan, 1938-40	1st Oct. 1932	On or before 1st October 1940, but not preceding 1st October 1938, with three months' previous notice.	19,13,90	
[illegible]% Loan, 1939-44	15th July 1929	On or before 15th July 1944, but not preceding 15th July 1939, with three months' previous notice.	27,78,12	
[illegible]% Loan, 1940-43	1st Oct. 1932	On or before 1st October 1943, but not preceding 1st October 1940, with three months' previous notice.	25,18,48	
[illegible]% Bonds, 1941	15th Sept. 1934	On 15th September 1941	10,67,32	
[illegible]% Bonds, 1943	1st Feb. 1933	On 1st August 1943	14,97,18	
[illegible]% Income Tax Free Loan, 1945-55.	15th Oct. 1919	On or before 15th October 1955, but not preceding 15th October 1945, with three months' previous notice.	56,74,94	
[illegible]% Loan, 1947-50	15th May 1933	On or before 15th November 1950, but not preceding 15th November 1947, with three months' previous notice.	55,94,37	
[illegible]% Loan, 1948-52	1st June 1936	On or before 1st June 1952, but not preceding 1st June 1948, with three months' previous notice.	12,01,28	
[illegible]% Loan, 1951-54	15th Sept. 1935	On or before 15th September 1954, but not preceding 15th September 1951, with three months' previous notice.	15,12,85	
[illegible]% Loan, 1955-60	15th Sept. 1928	On or before 15th September 1960, but not preceding 15th September 1955, with three months' previous notice.	9,05,70	
[illegible]% Loan, 1960-70	15th Sept. 1926	On or before 15th September 1970, but not preceding 15th September 1960, with three months' previous notice.	63,30,26	3,09,94,40
NON-TERMINABLE LOANS—				
THREE AND HALF PER CENT.—				
1842-43	1st Feb. 1843	At the option of the Government of India after three months' notice.	23,83,77	
1854-55	30th June 1854	Ditto	20,82,36	
" coupon (a)	..	Ditto	5,65	
1865	1st May 1865	Ditto	38,45,98	
Reduced, 1879	16th Jan. 1879	Ditto	2,71,62	
1900-01	30th June 1900	Ditto	36,23,81	1,22,13,19
THREE PER CENT.—				
1896-97	22nd July 1896	Ditto	3,02,04	3,02,04
RAILWAY LOANS—				
Maharaja Holkar, 4½ p.c.	(1870-77).	After 101 years	70,00	
Maharaja Scindia, 4 p.c.	..	..	1,50,00	2,20,00
		TOTAL		7,13,09,16*

PUBLIC DEBT NOT BEARING INTEREST.

Particulars.	Date of discharge.	Amount.
		Rs.
5½% War Bonds, 1920.	15th Aug. 1920.	2,87
5½% War Bonds, 1921.	15th Sept. 1921.	2,55
5½% War Bonds, 1922.	15th Aug. 1922.	1,81
5½% War Bonds, 1923.	15th Sept. 1923.	49
4% Terminable Loan of 1915-16.	30th Nov. 1923.	25
5½% War Bonds, 1925.	15th Sept. 1925.	17
6% Bonds, 1926.	15th Sept. 1926.	94
6% Bonds, 1927.	1st Oct. 1927.	1,55
5½% War Bonds, 1928.	15th Sept. 1928.	1,39
6% Bonds, 1930.	15th Aug. 1930.	3,79
6% Bonds, 1931.	15th Sept. 1931.	27
6% Bonds, 1932.	1st Oct. 1932.	1,28
5% War Loan, 1929-47.	15th May 1933.	4,42
4% Conversion Loan of 1916-17.	1st July 1933.	64
6% Bonds, 1933-36.	15th Aug. 1933.	3,41
5% Bonds, 1933.	1st Sept. 1933.	1,99
4% Loan, 1934-37.	16th Aug. 1934.	2,65
4½% Bonds, 1934.	15th Sept. 1934.	2,11
5% Bonds, 1935.	15th Sept. 1935.	1,93
6½% Treasury Bonds, 1935.	15th Sept. 1935.	9,18
	TOTAL	43,69

(a) Issued in London in conversion of the 4½ per cent. Loan.
* Amount held in London is 7,65,60.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES,
New Delhi, the 1st March 1938.

P. G. SHAH,
Accountant General, Central Revenues.

CURRENCY NOTES.

NOTICE.

Rangoon, the 2nd March 1938.

Portions of the following notes of the Rangoon Office of Issue are stated to have been destroyed and an application for payment of their value has been received from the persons whose names are shown against the numbers. Any other person who considers himself as having a right to them is warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
T/32-113323	100	Ko Toe Gyi, of Seegwa Village, C/o U San Baw, O. B. E., Senator, Tharrawaddy.
T/32-063838	100	
T/32-289979	100	M. E. Meah, 79, 26th Street, Rangoon

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, RANGOON.

S. NATARAJAN,
Currency Officer.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 4th March 1938.

No. 8.—1. On return from leave Mr. L. Pertwee is appointed to act as Manager, Reserve Bank of India, Calcutta, with effect from the close of business on the 24th February 1938, *vice* Mr. R. A. B. Allan proceeded on leave.

2. On return from leave Mr. P. S. V. Nambi is reposted as Assistant Currency Officer, Reserve Bank of India, Issue Department, Rangoon, with effect from the afternoon of the 24th February 1938, *vice* Mr. D. Venkatrayalu proceeded on leave on reversion.

3. Mr. M. S. Talpade is appointed to act as Junior Superintendent, Reserve Bank of India, Bombay, with effect from the 1st March 1938, *vice* Mr. S. R. Shiraly reverted.

MANILAL B. NANAVATI,
Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Calcutta, the 3rd March 1938.

In pursuance of Schedule II, Regulation 51 of the Imperial Bank of India Act, 1920, the Central Board have empowered Mr. J. A. F. Sievwright, Superintendent in Charge of the Foreign Exchange Department, Bombay Local Head Office, to exercise the following signing powers:—

To endorse and transfer documents of title to goods, standing in the name of or held by the Bank, and to draw, accept and endorse bills of exchange, bank post bills, and letters of credit, in the current and authorised business of the Bank and to sign all other accounts, receipts and documents connected with such business.

W. LAMOND,
Managing Director.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI.

NOTIFICATION.

New Delhi, the 5th March 1938.

No. 1816.—Mr. J. N. Mukerji, Assistant Agricultural Chemist, Imperial Agricultural Research Institute, is granted leave on average pay for 15 days from 12th February 1938.

B. VISWA NATH,
Director.

SURVEY OF INDIA.

Surveyor General's Office,

NOTIFICATION.

Calcutta, the 4th March 1938.

No. 1625.—Major G. F. Heaney, R.E., Superintendent, is granted under the Fundamental Rules leave on average pay from the 15th April 1937, or date of availing, up to the 16th July 1937.

C. G. LEWIS,
Brigadier,
Surveyor General of India.

SURVEY OF INDIA.

List of maps published during the month of January 1938.

GEOGRAPHICAL, GENERAL AND SPECIAL MAPS.—Obtainable from the Officer in Charge, Map Record & Issue Office, 13, Wood Street, Calcutta.

Description.	Year of Survey.	Date of edition.	Number of sheets.	Size per sheet in inches.	Price.	Remarks.
GEOGRAPHICAL MAPS.					Rs. AS.	
CARTE INTERNATIONALE DU MONDE SERIES.						
(Scale 1 : 1,000,000.)						
Sheet No. N. G 41 "Makrān" .	..	1937	1	$30\frac{1}{2} \times 25$	2 0	Second Edition. Layered.
" " N. F 44 "Wainganga"	..	1936	1	30×26	2 0	Third Edition. Layered.
INDIA AND ADJACENT COUNTRIES SERIES.						
(Scale 1 : 1,000,000).						
* Sheet No. 43 "Srīnagar" .	..	1937	1	27×22	1 8	Fifth Edition. Ordinary Edition.
GENERAL MAPS.						
(Scale 1-inch to 160 miles.)						
† India showing Provinces and Districts.	..	1936	1	18×15	0 8	Fourth Edition. Uncoloured.
SPECIAL MAPS.						
CANTONMENT MAPS.						
(Scale 64 inches to 1 mile.)						
‡ Abbottābād Cantonment, Sadr, Abbot lines, Martin lines and Gaselee lines Bazars.	1936-37	1937	1	37×29	2 0	Second (Revised) Edition.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record & Issue Office, 13, Wood Street, Calcutta.

Index Number.	District, &c.	Year of Survey.	Date of edition.	Price.	Remarks.
				Rs. AS.	Underlining for Map Catalogue :— (a) Double red line.
	1. QUARTER-INCH MAPS.				
	(Scale 1 inch to 4 miles.)				
45 B	"Shergarh"	1927-28, 1930-31, 1935-36	1937	1 8	(a)
45 M	"Sīkar"	1930—32, 1933-34	1937	1 8	(a)
45 N	"Jaipur"	1930—32	1937	1 8	(a)
54 F	"Dholpur"	1922-23	1937	1 8	Second Edition.

*Gridded copies of these maps can be supplied at annas three per copy extra.
†This Publication supersedes item No. 8 of Appendix 1 of the Map Catalogue.
‡ " " " " " 2 of " 5 of " " "

Reference :—List of maps for December 1937—Page 2, insert (a) against Sheet No. 72 K/12 in the remarks column; and List of maps for February 1937—Page 3, delete asterisk against Sheet No. 95 E/15 & E/11.

List of maps published during the month of January 1938.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record & Issue Office, 13, Wood Street, Calcutta—*concld.*

Index Number.		District, &c.	Year of Survey.	Date of edition.	Price.	Remarks.
					Rs. As.	Underlining for Map Catalogue :— (*a*) Double red line.
		2. HALF-INCH MAPS. (*Scale 1 inch to 2 miles.*)				
43	P/S.E.	Parts of Kathua, Gurdāspur, Hoshiārpur and Kāngra Districts and Chamba State.	1916—18, 1920-21, 1926-27	1937	2 0	Second Edition.
*46	N/N.E.	Parts of Bhopāl Agency, Indore State, Amjhera and Ujjain Districts.	1921-22	1937	2 0	Ditto.
46	N/N.W.	Parts of Indore State, Mālwa Agency, Amjhera and Ujjain Districts.	1922-23	1937	2 0	Ditto.
56	O/S.W.	Parts of Atrāf-i-balda, and Nalgonda Districts.	1923-24	1937	2 0	Ditto.
73	D/N.E.	Parts of Athmallik, Baudh, Daspalla, Narsinghpur and Tālcher States and Angul District.	1932-33	1937	2 0	(*a*) Complete map.
		3. ONE-INCH MAPS. (*Scale 1-inch to 1 mile.*)				
39	B/2	Parts of Loralai and Zhob Districts.	1908-09	1937	1 8	Second Edition. Gridded.
39	L/2	Parts of Dera Ghāzi Khān District and Bahāwalpur State.	1935-36	1937	1 8	(*a*)
*43	G/6	Part of Rāwalpindi District ..	1909-10	1937	1 8	Second Edition.
*43	H/7	Parts of Gujrānwāla and Gujrāt Districts.	1910-11 (corrected 1933)	1937	1 8	Second (Revised) Edition.
53	C/4	Parts of Hissār and Rohtak Districts and Jīnd States	1935-36	1937	1 8	Ditto.
54	J/1	Parts of Tonwarghār District, Dholpur State and Agra District.	1921-22	1937	1 8	Second Edition.
63	K/8	Parts of Benares State, Allahābād and Mirzāpur Districts.	1923-24	1937	1 8	Ditto.
73	F/14	Parts of Singhbhūm District, Kharsāwān, Mayūrbhanj and Saraikela States.	1911-12	1937	1 8	Ditto.
†93	C/13	Parts of Kyaukse and Mandalay Districts and Northern and Southern Shan States.	1915—17, 1935-36	1937	1 8	(*a*)
†93	C/14	Parts of Kyaukse District and Southern Shan States.	1915—17, 1935-36	1937	1 8	(*a*)

* Gridded copies of these maps can be supplied at annas three per copy extra.

† Copies of these maps are obtainable from the Curator, Government Book Depot, Rangoon, Burma.

Stock copies of the following map were gridded during the month :—

44 F.

List of maps published during the month of January 1938.

FOREST MAPS.—Obtainable from the Officer in Charge, Forest Map Office, Survey of India, Dehra Dūn, from whom all particulars can be obtained on application.

Description.	Year of Survey.	Date of edition.	No. of sheets.	Size per sheet in inches.	Price per sheet. Un-coloured		Price per sheet. Coloured		Remarks.
					Rs.	as.	Rs.	as.	
FOREST MAPS. *(Scale 4-inches to 1 mile).*									
Bombay, Dhārwār District, Sheet No. 277 NE/1E.	1901-02	1937	1	22×15	1	8	2	4	Second Edition.
Bombay, North Kanara District, Sheet No. 279 NW/4.	1896-97	1937	1	44×30	3	0	4	8	Ditto.
Bombay, North Kanara District, Sheet No. 309 NW/1 & 2.	1890-91	1937	1	44×30	3	0	4	8	Ditto.
Lansdowne Forest Division, Western Forest Circle, Sheet No. II.	1882-84 1903-04	1937	1	41×30	3	0	4	8	Third Edition.
Lansdowne Forest Division, Western Forest Circle, Sheet No. III.	1882-84	1937	1	42×30	3	0	4	8	Ditto.

C. G. LEWIS, *Brigadier*,
Surveyor General of India.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

New Delhi, the 5th March 1938.

No. E. B.-15.—Mr. J. C. Puri, Assistant Aerodrome Officer, Karachi Airport, is granted 'earned leave' for 19 days from the 20th November 1937 to the 8th December 1937.

F. TYMMS,
Director of Civil Aviation in India.

DEPARTMENT OF EXPLOSIVES.

NOTIFICATIONS.

Calcutta, the 5th March 1938.

No. G.-15 (13)-6.—Mr. S. K. Bhavnagri, B.A., B.Sc., (Tech.), A.I.C., officiating Inspector of Explosives, South Circle, is reverted to his substantive post of Assistant Inspector of Explosives, West Circle, with effect from the forenoon of the 15th February 1938.

No. G.-15(16)-2.—Mr. S. N. Lahiri, M.Sc., Temporary Assistant Inspector of Explosives is transferred from Bombay to Madras with effect from the forenoon of the 22nd February 1938 to take charge of the duties of the Assistant Inspector of Explosives, South Circle.

G. PEACE,
Chief Inspector of Explosives in India.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATIONS.

New Delhi, the 7th March 1938.

No. D.-26 (32).—Mr. R. K. Heysham, M.I.E.I. (Great Britain), A.F.R.Ae.S. (Great Britain), F. Z. S. (London), Assistant Engineer (Inspection), Bombay Circle, Indian Stores Department, is granted leave on average pay out of India for one month and ten days with effect from the 26th February 1938 afternoon preparatory to retirement from the service with effect from the 6th April 1938.

J. S. PITKEATHLY,
Chief Controller of Stores.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on:
- Week-days and Saturdays from 10 A.M. to 7 P.M.
- Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATIONS.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 12th March 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

New Delhi, the 8th March 1938.

No. S.-177/6.—Rai Sahib C. C. Mazumdar, Postmaster, Grade A, is permitted to retire from service with effect from the 20th May, 1938.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 7th March 1938.

No. 211-An.—Mr. I. D. Abbey, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command has been granted a further extension of privilege leave on medical grounds for 14 days with effect from the 20th February 1938 in continuation of the leave granted in this Department Notification No. 201-An., dated the 8th February 1938, published in the *Gazette of India*, Part II, dated the 12th February 1938. He is also permitted to affix Sunday, the 6th March 1938 to this leave.

No. 212-An.—Mr. Chintaharan Banerjee, an officiating Deputy Assistant Controller of Military Accounts, in the office of the Controller of Military Accounts and Pensions, reverted to his substantive grade with effect from the afternoon of the 26th February 1938.

M R. COBURN,

Military Accountant General

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 26th February 1938.

No. 16145-A.-2-E./4-C. T.—Mr. S. J. Ahmed, M.A., Income-tax Officer, District IV (2), Calcutta is transferred to District VA, Calcutta with effect from the forenoon of the 1st March, 1938.

2. Mr. M. Mannan, B.Sc., Officiating Income-tax Officer, Rajshahi-Pabna is, on the expiry of his leave, appointed temporarily to act as Income-tax Officer, District IV (2), Calcutta, *vice* Mr. S. J. Ahmed transferred.

He should join District IV (2) on the forenoon of the 1st March, 1938.

3. This cancels order No. 16017/2-E./4-C. T., dated the 24th February, 1938.

S. N. BANERJEA,

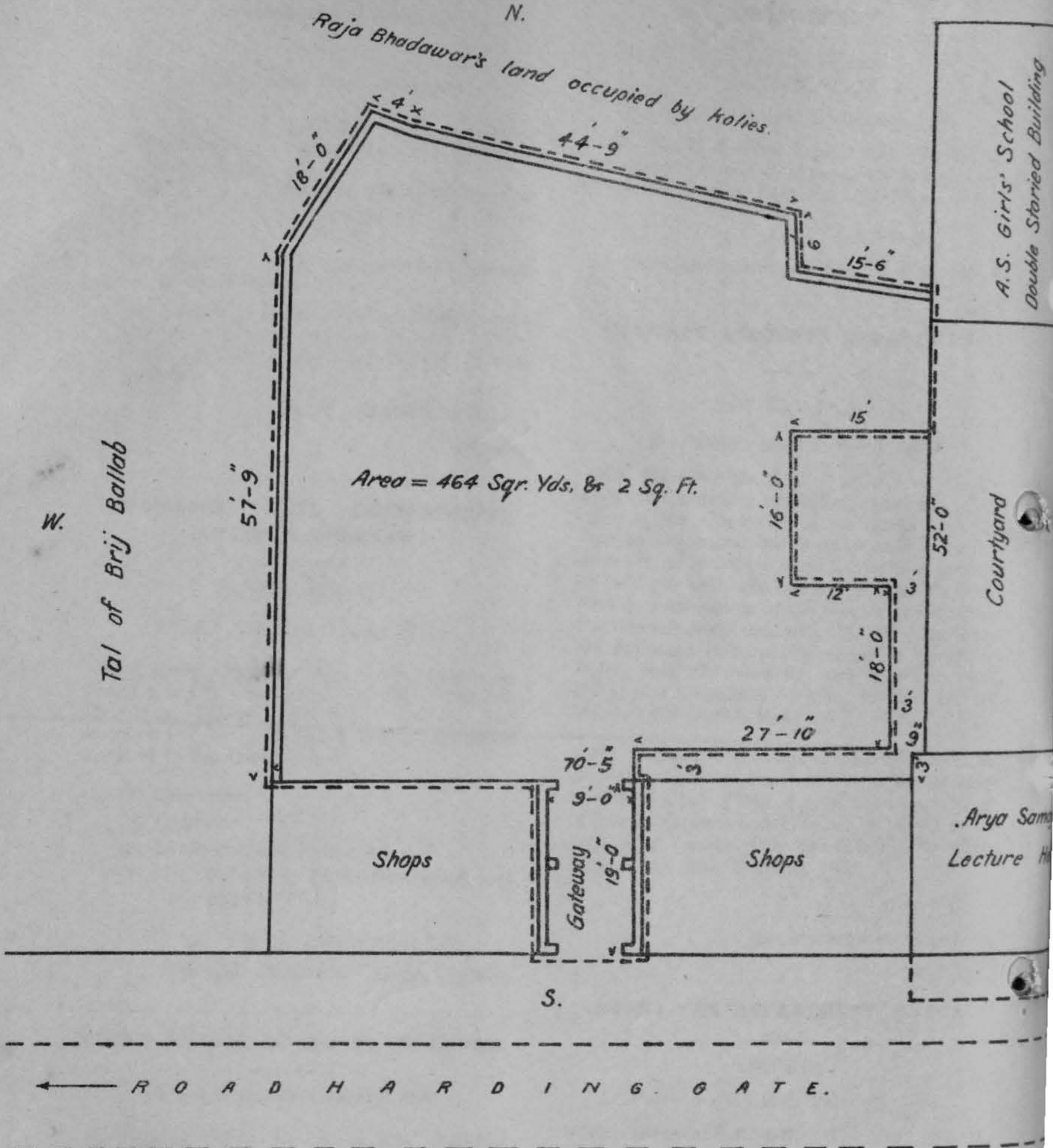
Commissioner of Income-Tax, Bengal.

OF

LAND TO BE ACQUIRED FOR ARYA SAMAJ GIRLS' SCHOOL,

MUTTRA.

Scale 16 Ft. = 1 Inch.



NOTE.{ Land to be acquired is surrounded by dotted lines.
Walls to be acquired shown by double lines.

(Sd.) (ILLEGIBLE), Manager, A.S. Girls' School, MUTTRA.

(Sd.) (ILLEGIBLE), Collector, MUTTRA.

(Sd.) P. M. KHAREGAT, Secretary to Government, U.P. Education Department. 7.1.38

(Sd.) (ILLEGIBLE), President, Shrimati Arya Pratinidhi Sabha, U.P. 27. 10. 36.

(Sd.) (ILLEGIBLE), L. A. O., MUTTRA.

GOVT. CENTRAL PRESS, ALLAHABAD.

GOVERNMENT OF THE UNITED PROVINCES.

Education Department.

MISCELLANEOUS.

The 24th January 1938.

No. F.-30/XV—910-1935.—The Agreement printed below which has been entered into by the Shrimati Arya Pratinidhi Sabha, United Provinces, in accordance with the provisions of Part VII of the Land Acquisition Act, 1894 (I of 1894), as amended by the Land Acquisition (Amendment) Act, 1923 (XXXVIII of 1923), is hereby published for general information under section 42 of the said Act:

AGREEMENT.

An agreement made the 7th day of January one thousand nine hundred and thirty-eight, between the Governor of the United Provinces (hereinafter called the Governor which term shall include his successors and assignees) of the one part, and the Shrimati Arya Pratinidhi Sabha, United Provinces, a Society registered under the Societies Registration Act, 1860 (hereinafter called the "Society") of the other part.

Whereas the Society has made an application to the Government of the United Provinces (hereinafter referred to as "the Provincial Government") to acquire for the purpose of the Society under the provisions of the Land Acquisition Act, 1894, as amended by Act XXXVIII of 1923, the plot of land described in the schedule hereto and the gateway and walls standing thereon shown in the plan hereto annexed. And whereas the Provincial Government after making and holding such inquiry as is required and prescribed by law is satisfied that the society is a company as defined in the said Act and that the acquisition of the said plot of land with the gateway and walls is needed for the extension of the Arya Samaj Girls' School, Muttra, and that the said work is likely to prove useful to the public; And whereas under section 41 of the said Land Acquisition Act it is necessary that the Society should enter into an agreement with the Governor regarding matters specified in the said section. Now it is hereby agreed between the parties hereto:

1. That the Society will pay from its own funds to the Provincial Government or such person or persons as the said Government may appoint in this behalf all such sum or sums of money as shall be awarded under the provisions of the said Land Acquisition Act as compensation to any person or persons who may be found on inquiry held as therein provided to be interested in the said plot of land; and

2. That the Society will pay from its funds to the Provincial Government the charges incidental to the cost of acquisition of the said plot of land under the provisions of the said Land Acquisition Act; and

3. That upon the Society having made all payments incidental to the acquisition of the said plot of land as mentioned in first and second clauses hereof the Governor will forthwith, in consideration of the payment of such compensation money and costs of acquisition, convey and grant to the Society the said plot of land containing by measurement 464 sq. yards and 2 sq. feet and situated in the village of Muttra, pargana Muttra, and district Muttra, and described in schedule hereto free from all incumbrances and occupancy rights together with all rights, easements and appurtenances thereto belonging or enjoyed therewith to hold the said plot of land to the Society for ever subject to the conditions hereinafter set forth, *viz.*:

(*a*) That the Society shall perpetually hold and use the said plot of land for the purpose of such school buildings as may be necessary for the educational training of the students of the Arya Samaj Girls' School, Muttra, conducted by the Society and for no other purpose except with the previous sanction in writing of the Provincial Government.

(*b*) That the Society shall within 3 years from the date of being put in possession of the said plot of land lay out and construct such school buildings as aforesaid and shall maintain the same at its own expenses.

(*c*) That the public shall be allowed the benefit of such school buildings in accordance with the rules of the Society now in force or hereafter to be made by it and the Society shall not alter its rules in such a manner as would in effect exclude the public from such benefit as aforesaid or could impose greater restrictions on the right of the public to such benefit than at present imposed.

(*d*) That if the Society shall commit a breach of any of the covenants by the Society herein contained it shall be lawful for the Governor to enter upon the said plot of land or any part thereof and to take the same for his own use; and thereupon the transfer made in favour of the Society shall become null and void and the said plot of land with all buildings thereon shall vest in His Majesty for the purpose of the Government of the United Provinces and the Society shall not be entitled to any compensation therefor.

In witness thereof the parties have hereto set hands the 7th day of January, 1938.

The schedule herein referred to:

District.	Pargana.	Village.	Approximate area.	For what purpose required.
Muttra .	Muttra .	Muttra .	464 sq. yds. and 2 sq. feet.	For the extension of the building of Arya Samaj Girls' School, Muttra.

D. P. SINGH,
Manager,
Arya Samaj Girls' School, Muttra.

Witnesses—

(1) CHANDRA DHAR JAYAL,
Land Acquisition Officer, Muttra.
The 25th October, 1937.

(2) RAJ BAHADUR.
Reader.

P. M. KHAREGAT,
Secretary to Government,
United Provinces,
Education Department.
7th January, 1938.

Witnesses—

(1) B. N. SAH,
Civil Secretariat, United Provinces.
The 7th January, 1938.

(2) B. BANERJI,
Civil Secretariat, United Provinces.
The 7th January, 1938.

P. M. KHAREGAT,
Secretary.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the creditors in column 3 of the debtors in column 4 on dates given in column 1, orders of adjudication in insolvency against the said debtors were made by the High Court of Judicature at Madras on the dates given in the last column.

Date of filing. 1	No. of the petition. 2	Name of the petitioning creditor. 3	Name and address of the insolvent. 4	Date of adjudication. 5
10th December 1937.	438/37 .	Seth J. D. Nichani K. Lekraj .	A. V. R. Raju, Proprietor of the Blue Mountain Trading Co., carrying on business at 25, Malaiperumal Street, George Town, Madras.	17th January 1938.
13th January 1938.	19/38 .	P. Chakrapani Iyengar . . .	S. P. Arunachala Mudaliar, an Advocate, residing at 72, Chellapillair Koil Street, Triplicane, Madras.	24th January 1938.
19th January 1938.	22/38 .	Hajie Jamal Noor Mohamad Sait .	Jonnalagadda Ranganayakamma, carrying on business in grains, residing at 19, Acharappan Street, Madras.	31st January 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 1st March 1938.

R. JAYARAM,
1st Asstt. Registrar.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 3rd March 1938.

No. E. P.-961.—Mr. L. J. P. Powis, Executive Engineer, has been granted 3 months 27 days leave on average pay *plus* 3 months and 13 days' leave on half average pay with effect from the forenoon of 3rd March 1938 or subsequent date of relief.

No. E.-330/20-B.—Mr. R. G. Hughff, officiating Deputy Chief Mechanical Engineer, Jamalpur, has been granted 4 months' privilege leave *plus* 4 months' furlough on full pay *plus* 1 month's furlough on half pay partly in Europe and partly in India with effect from 31st March 1938 or subsequent date of relief.

J. A. BELL,
Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 2nd March 1938.

No. 8.—Rai Bahadur A. K. Gupta, Divisional Superintendent, is granted leave on average pay for 3 months with effect from the 7th March 1938 or subsequent date of relief.

L. W. VAN SOMEREN,
Traffic Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, MARCH 19, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

Annual rates of subscription including packing and Indian postage.

	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0
Parts I, II, II-A and III (together)	35	0	0
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Part I	12	0	0
Part I-A	4	8	0
Part II	12	0	0
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Part V	3	4	0
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Part IV	0	3	0
Part V	0	3	0
Parts IV and V (together)	0	6	0
Extraordinary issues	Price fixed for each issue.		

The above rates are under revision.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Local Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 19th March 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

March 7, 1938.

25003. P. Das and Fathechand. A locking system for boxes and like receptacles.

25004. Standard Telephones and Cables Ld. Telegraph systems.

25005. Societe D'Etudes Et Applications Industrielles. A process for the manufacture of soluble dry products containing a concentrated coffee extract. (June 9, 1937).

25006. A. Reidinger. Improvements relating to valve gears for steam and other reversible engines. (March 11, 1937).

25007. Stator Corporation. Improvements in refrigerating apparatus.

25008. J. A. Kilby. Linkwork for converting a reciprocating motion into a rotary motion, or *vice versa*.

25009. Mefina S. A. Improvements in and relating to safety mechanism for clockwork time fuzes for projectiles.

25010. J. C. Seailles. Method of manufacture of alumina.

March 8.

25011. Dunlop Rubber Co. (India) Ld. Improvements in and relating to surfaces for sitting and reclining upon.

25012. F. Hildebrand. Composition slab making machines.

25013. Co-operative Wholesale Society Ld., and T. E. Foulkes. Improvements in means for storing articles in showrooms, ware-rooms and the like.

25014. A. L. McWilliam, E. L. Goodman and McLeod & Co. Ld. Improvements in tea rolling machines and in the process of rolling tea leaf.

March 9.

25015. F. G. Sulzdorf. Improvements in railway tracks.

25016. Imperial Chemical Industries Ld. Improvements in the treatment of cellulosic materials. (April 2, 1937).

25017. Magnesium Elektron Limited. Improvements in or relating to the production of metallic magnesium.

March 10.

25018. Electric Selectors Limited. Improvements in Sorting Apparatus. (March 10, 1937).

25019. Electric Selectors Limited. Improvements relating to apparatus for feeding articles in sorting and like machines. (March 10, 1937).

25020. E. S. Ezra and S. E. Ezra. Improvements in or relating to electric batteries.

March 11.

25021. Ehrich & Graetz Aktiengesellschaft. Vaporiser for apparatus for illuminating, heating and cooking, fed by liquid fuels under pressure.

25022. A. H. C. Rostron. Improvements in and relating to fuel supply systems for internal combustion engines.

25023. The Ahmedabad Manufacturing & Calico Printing Company Limited. Improvements in or relating to printing machines.

Alteration of Date.

24964. Ante-dated 2nd April 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23552. M. Kadenacy and Armstrong Whitworth Securities Company Limited. Improvements in two-stroke internal combustion engines. (January 11, 1936). *Selecting a crank angle for the opening of inlet and exhaust to enable fuel admission under atmospheric pressure.*

23634. Universal Oil Products Co. Process for the conversion of normally gaseous hydrocarbons. *Subjecting to heat treatment under high pressure, condensing the gasoline boiling fraction and recycling this fraction after removal of gaseous hydrocarbons for further pressure treatment.*

23772. Auto Union A-G. Improvements in and relating to the manufacture of doors and the like from artificial resins and similar substances. *Thin wall of artificial resin reinforced with ribs of same material at highly stressed parts.*

24036. E. Longinotti. Tile-moulding machine with appertaining means for the delivery of the slabs from the mould. *Lower plane with hinged mould, and tampion hinged to said mould with means for discharging moulded tile.*

24061. J. du Roy de Blicquy. A drafting arrangement for spinning machines. *An endless band under tension by a rod acting on the lower portion of the band with an intermediary roller above the band near the drawing rollers.*

24151. Dr. Bekk & Kaulen Chemische Fabrik G. m. b. H. A process for uniformly coating the printing supports (cylinders and plates) with the sensitive layer for the photomechanical manufacture of printing forms. *Temperature of printing support is same as temperature of sensitive layer and its velocity of revolution depends on the viscosity of the layer.*

24272. International General Electric Co. Inc. Improvements in or relating to electromagnetic induction apparatus and method of making the same. *Thin magnetic strip material wound spirally to form a cylindrical core.*

24273. International General Electric Co. Inc. Improvements in or relating to apparatus for making strip wound magnetic cores. *Rotatable roller for supporting strip coil and driving means for rotating the roller.*

24284. Swiss Lamps & Hardware Co. Ld. Improvements in or relating to connecting pipings between liquid fuel combustion apparatus and associated fuel supply tanks. *End of connecting piping remote from fuel combustion apparatus connected to supply intake of fuel tank.*

24310. E. I. Du Pont De Nemours and Co. Improvements in or relating to the electrodeposition of metals. *Electroplating bath containing polyvinyl alcohol or derivative.*

24406. C. V. Kansara. Improvements in beam balances. *Caps in the pinch at both ends of fulcrum rod.*

24434. Shackles Proprietary Limited. Improvements in and relating to means for binding bales. (November 3, 1936). *Shackle comprising apertured plate with long tongue and an off-set.*

24435. Calender's Cable and Construction Company Limited. Improvements in or relating to electrical insulating materials. (September 29, 1937). *Comprising a mixture of powdered mineral material and an oil.*

24489. Dr. C. Otto & Comp. G. m. b. H. Improvements in or relating to Coke Ovens. (August 25, 1937). *Heating chamber divided into individual flues arranged in two groups and producing different rates of heating in the groups.*

24490. Societa' Anonima Manifattura di Altessano. Improvements in or relating to the manufacture of cellulose. (August 16, 1937). *Material subjected to following treatments first acid, second basic, third oxidising in acid, fourth basic and fifth oxidising in alkali.*

24530. "Pertrix" Chemische Fabrik Aktiengesellschaft. Galvanic cell with air depolarisation. *Carrier of shallow disc forms contains active mass of positive electrodes.*

24570. Society of Chemical Industry in Basle. Manufacture of condensation products from aminotriazines. (October 28, 1936). [Addition to No. 23232]. *Reacting an aminotriazine, a compound containing an alcohol group and an aldehyde or aldehyde yielding substance.*

24610. Dunlop Rubber Co. (India) Ld. Improvements in or relating to racquet presses. *Two frames with pivoted pressure applying lever, the location of pivoted ends of lever is variable to a plurality of positions.*

24611. Dunlop Rubber Co. (India) Ld. Improvements in or relating to compression testing apparatus. *Automatic testing apparatus wherein large number of cushions irrespective of thickness can be tested without intermediate adjustment.*

24637. A. Lodetti, B. Negrini and A. Sbarberi. Improvements in the connecting means for rails. *Outside edges of rail ends are partly cut at an angle to form a pocket and connected by usual fish-plates, the pocket being filled by wedge-like insert having a flange.*

24638. Callender's Cable and Construction Co. Ld. Improvements relating to electric fuses of the cartridge type. (December 29, 1936). *Fusible elements joined in parallel and disposed within a casing provided with metal and caps having elongated shape and flat sides.*

24652. F. W. Harbord and V. Harbord. Improvements relating to apparatus for casting metal. (November 23, 1936). *A moving bottom member arranged to cooperate with a stationary top member and then with another top member moving at same speed.*

24658. Hugo Schneider Aktiengesellschaft. Double-walled vacuum flask jacket. *Edge of central opening turned inwardly to grip rubber packing round the neck.*

24665. K. Honda. Improved spinning frame. *A tension effecting roll for pressing the bottom belt on the driving roll which is also in contact with the upper portion of the bottom belt.*

24673. Davidson & Co. Ld. Improvements in tea rolling machines. *Door operating mechanism whereby it is lowered and then moved to one side.*

24677. J. P. Jeffcock. Improvements in or relating to cathode-ray type direction-finders. *Rotatable cursor associated with cathode ray tube to mark position of flash.*

24697. The Franco-British Electrical Co. Ld., and A. H. Brackensey. Improvements in or relating to methods of coating the interior of hollow electric discharge tubes with luminescent substances. (October 21, 1937). *Binding material filled inside hollow bodies which are shaken inside tube.*

24698. Non-Drip Measure Co. Ld., F. W. Berwick and A. G. Berwick. Improvements in or relating to devices for delivering measured quantities of liquid. (February 3, 1937). *Axially moving member first closes inlet to chamber and then forces out a quantity of liquid.*

24726. The Burmah Oil Co., Ld. A new or improved method of and apparatus for the separation of paraffin waxes or oil-wax mixtures. *Chilling the wax in vertical perforated ducts, removing part of the chilled wax by heating, and subjecting the remaining mass to graduated heat-treatment.*

24727. Society of Chemical Industry in Basle. Manufacture of oxidation products from sterols, bile acids, their derivatives, degradation and conversion products. *Sterol or bile acid or a derivative containing free nuclear hydroxyl or carboxyl group treated with oxidising agent and nonvolatile oxidation products removed.*

24732. Universal Oil Products Co. Process for the conversion of normally gaseous hydrocarbons into hydrocarbon liquids. *Separating the Hydrocarbons of less than 4 carbon atoms from the polymerised product and fractionating the gasoline and products boiling above the gasoline range.*

24755. B. Le Neve Foster. A new or improved electric vaporiser. *Comprising a tubular structure in which are mounted a container for vaporising liquid and a grooved hot plate connected by a bolt to the electric heating element.*

24964. I. G. Farbenindustrie Aktiengesellschaft. Process for the manufacture of pyrimidine compounds. (May 19, 1936). [Addition to No. 23847]. [Ante-dated April 2, 1937]. *4 amino 5 hydroxy alkyl pyrimidines by reacting upon 4 amino 5 aminoalkyl pyrimidines containing an unsubstituted amino alkyl group with nitrous acid.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23629. Cresswell.
23642. Marconi's Wireless Telegraph Co., Ld.
23658. Nasmith.
23688. Metropolitan-Vickers Electrical Co., Ld.
23690. Marconi's Wireless Telegraph Co., Ld.
23793. National Malleable and Steel Castings Co.
23811. Gillespie.
23816. Dunlop Rubber Co., Ld.
23870. Metallgesellschaft Aktiengesellschaft.
23880. Hattangdi.
24066. Poor and Co.
24230. Gad.
24231. Miehle Printing Press and Manufacturing Co.
24236. I. G. Farbenindustrie Aktiengesellschaft.
24266. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny & Cirey.
24297. Knoll, A.-G., Chemische Fabriken.
24317. Knoll, A. G., Chemische Fabriken.
24324. Metra Maatschappij Voor Verduurzaming Van Zuivel-Production N. V.
24366. Dutt.
24436. Vereinigte Gluhlampen Und Elektrizitats Aktiengesellschaft.
24437. Solution Trust Limited.
24438. Solution Trust Limited.
24444. Owens-Illinois Glass Company.
24453. Shri Dhar.
24464. Metropolitan-Vickers Electrical Company Limited.
24466. Metropolitan-Vickers Electrical Company Limited.
24506. Maybach-Motorenbau Gesellschaft mit beschrankter Haftung.
24518. Paterson.
24520. Blairs, Ld. and Lamont.
24527. Osborn and H. J. Osborn & Sharp Ld.
24543. Callender's Cable and Construction Co., Ld.
24544. Joseph Rigg Ld.
24550. Seri Holding S. A.
24558. E. I. du Pont de Nemours & Co., and Westbrook.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23357. I. G. Farbenindustrie Aktiengesellschaft.
23358. Standard Telephones and Cables Ld.
23359. Standard Telephones and Cables Ld.
23446. The General Electric Co., Ld.
23454. Gledhill.
23558. Sato.
23653. Filter Tips, Ld.
23955. J. A. Crabtree & Co., Ld.
24240. Jefferies and Peirce, Leslie & Co., Ld.
24265. Dr.-Ing. C. Weicken & Co. Spezialmaschinen-Verwertungsgesellschaft, m. b. H.

Patents Sealed.

23180. Warren.
23181. Warren.
23324. Gupta.
23456. Lal Chand.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

No. 22635. Svenska Aktiebolaget Gasaccumulator.
No. 23093. Compressed Paper Packing Ld.

Renewal Fees Paid.

PATENTS.

3641. The Indian Hume Pipe Co., Ld. (To 23rd April 1939).
9220. The Western Electric Co., Ld. (To 18th April 1939).
10179. Datta. (To 18th March 1939).
12229. California Cyanide Co., Inc. (To 26th April 1939).
12306. Det Norske Aktieselskab for Elektrotemisk Industri. (To 25th May 1939).

13095. Gunn. (To 26th March 1939).
13168. Standard Telephones and Cables Ld. (To 19th April 1939).
13948. Ring Springs Ld. (To 24th March 1939).
14169. Datta. (To 20th March 1939).
14251. Standard Telephones and Cables, Ld. (To 10th April 1939).
14416. International General Electric Co. Inc. (To 28th May 1939).
14361. International General Electric Co. Inc. (To 14th May 1939).
14489. I. G. Farbenindustrie Aktiengesellschaft. (To 18th June 1939).
14889. Dr. Scholler. (To 13th April 1939).
15636. Reliance Machine and Stamping Works Inc. (To 17th April 1939).
15642. Creed & Co., Ld. (To 22nd April 1939).
15690. Calimani and anr. (To 30th April 1939).
15751. International General Electric Co. Inc. (To 13th May 1939).
15823. Technical Research Works Ld. and anr. (To 28th May 1939).
16267. Audax Ld. (To 11th April 1939).
16666. Smith. (To 20th March 1939).
16897. Standard Telephones and Cables Ld. (To 14th April 1939).
16944. Pickering. (To 28th April 1939).
17102. Schulze. (To 16th June 1939).
17787. Goodall. (To 12th May 1939).
17853. Patel. (To 10th March 1939).
17909. The General Electric Co., Ld. and ors. (To 30th March 1939).
17920. The General Electric Co., Ld. (To 2nd April 1939).
17946. The General Electric Co., Ld. (To 14th April 1939).
17947. The General Electric Co., Ld. (To 30th April 1939).
17979. Hutteman. (To 20th April 1939).
18043. International General Electric Co. Inc. (To 18th May 1939).
18049. The General Electric Co., Ld. (To 14th April 1939).
18090. The General Electric Co., Ld. (To 16th April 1939).
18179. Electrical Research Products Inc. (To 1st May 1939).
18254. Electrical Research Products Inc. (To 28th May 1939).
18604. Norton and anr. (To 1st April 1939).
18814. Godrej & Boyce Manufacturing Co., Ld. (To 15th March 1939).
18815. Godrej & Boyce Manufacturing Co., Ld. (To 15th March 1939).
18824. The General Electric Co., Ld. (To 17th April 1939).
18908. Plummer and anr. (To 25th April 1939).
18987. The General Electric Co., Ld. (To 5th April 1939).
18988. The General Electric Co., Ld. (To 25th April 1939).
19724. Deshmukh. (To 14th March 1939).
19725. Nehru and anr. (To 16th March 1939).
19743. Patel. (To 20th March 1939).
19755. Frazzi Ld. (To 27th March 1939).
19796. The Gas Light & Coke Co. (To 27th April 1939).
19821. Imperial Air-ways Ld. and ors. (To 19th April 1939).
19867. Maschinenfabrik Surth Zweigniederlassung der Gesellschaft fur linde's Eismaschinen A-G. (To 1st May 1939).
19884. Meboe Ld. (To 31st May 1939).
19919. The Indian Central Cotton Committee. (To 19th May 1939).
19967. Mergenthaler Linotype Co. (To 5th May 1939).
19996. Steel Brothers & Co., Ld. (To 18th June 1939).
20662. Rainford Potteries Ld. (To 28th April 1939).
20704. The General Electric Co., Ld. (To 4th April 1939).
20756. Harris and anr. (To 4th April 1939).
20785. D. Anderson & Son Ld. (To 16th April 1939).
20794. Jarvis and ors. (To 18th April 1939).
20814. Schwartz. (To 24th April 1939).
20831. Griffin. (To 3rd May 1939).
20892. The General Electric Co., Ld. (To 10th April 1939).
20900. Caprotti. (To 28th May 1939).
20937. McCluskey. (To 21st June 1939).
20938. McCluskey. (To 21st June 1939).
20939. McCluskey. (To 21st June 1939).
21524. Smith. (To 28th August 1939).
21693. Lurie. (To 31st March 1939).
21775. The General Electric Co., Ld. Inc. (To 16th April 1939).
21961. Brown. (To 27th June 1939).

Cessation of Patents.

9871. Williams.
13848. Peace.
18452. The General Electric Co., Ld.
18547. Dr. Bertel.
19324. Rosenstein and anr.
20317. Elton.
20356. Davies and anr.
20425. Grodetzky & Polak.
20426. Wyndhams Liquid Coal Co., Ld.
20427. Healey.
20431. Societe Anonyme d'Etudes & de Constructions d'Appareils Mecaniques Pour la Verrerie.
20439. Dey.
20443. Rao.
20445. Mayor.
20661. Baak and ors.
21422. The General Electric Co., Ld.
21430. Molins.

Restoration Proceedings.

Notice is hereby given that an order was made on the 5th March 1938, restoring the patent granted to Walter Pelham Warren, for an invention for "Improved waste bin", numbered 17565 and dated as of the 18th November 1930.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets:—

Class 1. No. 62683. F. E. Sachee & Co., of 54/1, Canning Street, Calcutta, [Partners: (1) F. A. Sachee, (2) E. A. Akikwala, (3) Mohsin A-Mogul, (4) Shiraj A-Mogul]. October 27, 1937.

Class 3. No. 63012. The Southern India Trading Co., of 83, Sembudoss Street, Madras, British India. January 29, 1938.

Class 4. Nos. 62991 and 62992. Laboratoires Bourdou, of Frontignan (Herault), France. January 21, 1938.

Class 13. No. 63032. Chotalal Ravicarandas & Co., of 42/44, Champagali, Bombay. February 7, 1938.

Class 13. Nos. 63052 and 63053. The Khatau Makanji Spinning & Weaving Co., Ld., of Laxmi Building, Ballard Pier, Fort, Bombay, British India. February 10, 1938.

Class 13. Nos. 63087 to 63091. The Standard Mills Co., Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. February 18, 1938.

Class 13. Nos. 63110 to 63111 and 63113 to 63117. The Khatau Makanji Spinning & Weaving Co., Ld., of Laxmi Building, Ballard Pier, Fort, Bombay, British India. February 24, 1938.

Class 13. Nos. 63119 and 63120. Toyo Menka Kaisha, Ld., of No. 5, Royal Exchange Place, Calcutta, British India. February 26, 1938.

Class 14. Nos. 62423 to 62428. Malik Jasu Ram Jamnu Ram, C/o. P. Lodge & Co., of 4, Tarachand Dutta Street, Calcutta. August 19, 1937.

Class 14. Nos. 63098 to 63103. Gosho Kabushiki Kaisha (Ltd.) of Oriental Building, McLeod Road, Karachi, (Bombay), British India. February 22, 1938.

Class 14. Nos. 63105 to 63107. The Calico Printer's Association, Limited, St. James's Buildings, Oxford Street, Manchester, England. February 23, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of the entry is the date of registration of the designs included in that entry:—

Class 4. Nos. 33434 and 33435. Liptak Fairebrick Arch Co., of Mexico Missouri, United States of America and at 38, Victoria Street, London, S. W. 1, England. May 8, 1928.

Copyright in the following design has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of the entry is the date of registration of the design included in that entry :—

Class 3. No. 56757. The Kersons Manufacturing Co., Ld., of Kingsbury Road, Minworth, Birmingham, England. May 2, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technologica Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library.
MADRAS	Record Office, Egmore.
Do.	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa.
POONA	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

Lahore, the 10th March 1938.

Portions of the following note of the Lahore Office of Issue are stated to have been destroyed, and payment of its value has been claimed by the person whose name is shown against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned :—

Register No.	Number of Note.	Value.	Name of Claimant.
		Rs.	
W.D. 1 of 1938	S/83-400974	100	Mr. Jasram Das Maheshuri-Mohalla Khala. pur, Saharanpur

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, LAHORE.

A. K. ROY,
Currency Officer.

Calcutta, the 10th March 1938.

Portions of the following notes of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of their value has been received from the person whose name is shown against the numbers. Any other person who considers himself as having a right to them is warned to communicate at once with the undersigned.

Case No.	Number of Note.	Value.	Name and address of the applicant.
		Rs.	
W.D. 6 of 1938.	S/44-788922	100	Lokesh Ranjan Paul, P. O. Dharmanagar, Tripura State.
	S/44-605030	100	

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

S. GUPTA,
Currency Officer.

Bombay, the 11th March 1938.

Portions of the following notes of the Bombay Office of Issue are stated to have been destroyed, and payment of their value has been claimed by the person whose name is placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Notes.	Value.	Name of claimant.
		Rs.	
D.-6 of 1938 .	S/47-009011	100	Mr. Kunjilal, S/o Radhelal Arzare, C/o D. V. Gokhale, Pleader, Khandwa, C. P.
	T/29-203541	100	

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, BOMBAY.

V. G. DESHMUKH,
Currency Officer.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 11th March 1938

No. 9.—1. On return from leave Mr. J. N. Ahuja is appointed Manager, Reserve Bank of India, Delhi, as from the close of business on the 3rd March 1938, *vice* Mr. A. Eggleston.

2. On return from leave Mr. M. K. Bhattacharyya is reposted as Assistant Currency Officer, Reserve Bank of India, Issue Department, Cawnpore, with effect from the 7th March 1938. Messrs. Balmukand, N. K. Misra and H. P. Mathur reverted as Senior Superintendent, Junior Superintendent and clerk respectively as from that date.

3. Mr. V. S. Ajinkya is appointed to act as Junior Superintendent, Reserve Bank of India, Bombay, with effect from the 8th March 1938, *vice* Mr. K. N. Vijayakar, granted leave.

MANILAL B. NANAVATI,
Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Calcutta, the 15th March 1938.

In pursuance of section 28(1) (iii) and (v) of the Imperial Bank of India Act, 1920, the Central Board have made the following appointments:—

(1) Sir William Lamond's appointment as Managing Director to extend up to 31st March 1942.

(2) Mr. H. J. Fitz-Patrick to officiate as Deputy Managing Director, with effect from 1st April 1938.

W. LAMOND,

Managing Director.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATIONS.

Calcutta, the 8th March 1938.

No. 1626.—Lieutenant-Colonel T. M. M. Penney, R.E., Superintendent, is granted under the Fundamental Rules leave out of India on average pay for 2 months and on half average pay for 5 months and 5 days from the 30th March 1938 or date of availing.

Calcutta, the 10th March 1938.

No. 1627.—Mr. C. H. Tresham, V.D., Superintendent, is granted under the Fundamental Rules leave out of India on average pay for 8 months from the 1st April 1938 or subsequent date of availing.

No. 1628.—In supersession of this office Notification No. 1625, dated 4th March 1938, Major G. F. Heaney, R.E., Superintendent, is granted under the Fundamental Rules leave on average pay from the 15th April 1938, or date of availing, up to the 16th July 1938

C. G. LEWIS,

Brigadier,

Surveyor General of India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 19th March 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

BOARD OF EXAMINERS.

(Defence Department.)

The following teachers have passed the Oriental Language Teachership examination under the rules promulgated in Government of India, Department of Education, Notification No. 89, dated the 7th September, 1916, and India Army Order No. 285 of 1917.

Officers are strongly recommended to employ only these teachers in direct communication with them.

Tuition Fees.—The Normal fees of qualified teachers for the British Service Urdu Test (for other ranks), Lower and Higher Standard Examinations in Urdu are Rs. 30 per month for one hour's tuition daily (Sunday and Holidays excepted) and no reward.

Officers should report qualified teachers who demand higher fees than this to the Adviser-in-Languages and Secretary to the Board of Examiners, Army Headquarters, through the usual channels. In the case of higher examinations Candidates will arrange their own terms with the qualified teachers.

QUALIFIED URDU TEACHERS.

Starred (*) Teachers.

Name.	Unit or address.	Date of Pass.
1. Ahmad Jan	Sadar Bazar, Peshawar	July 1907.
2. Mool Chand Saihgal	Sabathu, Simla Hills	July 1910.
3. Jawala Prashad	Sabathu, Simla Hills	July 1910.
4. Syed Aulad Ali Gilani	Secretary to the Multan District Board, Multan	April 1916.
5. Mahmud Hasan Israili	9, Sankli Cross Street, Jehangir Building (8), Bombay.	October 1916.
6. Din Mohd. Khan "Talib".	Jullunder Brigade Area	October 1917.
7. Syed Mohd. Sharafat Ali	2nd Bn., Oxf. and Bucks and 83rd Field Battery, R. A., Bareilly.	July 1918.
8. Lal Mohd. Quraishi	Mohalla Mian Badshah, Kohat	October 1918.
9. Professor Shafi Ahmad Mazhary, M.A.	Bhaiya Nizamuddin Kothi (Begum Kothi), Begum Bagh, Meerut.	January 1919—Bombay.
10. Mohd. Sadiq Ali	1st Bn., Bedfs. and Herts. Regiment, Chakrata	March 1919.
11. Mohd. Hasan Jafari	Sadiqpur, P. O. Gulzarbagh (Patna)	April 1920.
12. Abdul Qadim Jafari	12, Damzen Lane, Chinapara, Calcutta	May 1920.
13. Ghasita Ram	1st Bn., The Devonshire Regt. and 8th Fd. Bde., R. A.	July 1921.
14. Raza Ali Wahshat	17, Wellesley 2nd Lane, Calcutta	....
15. Ahad Bux	2nd Bn., The Welch Regt., Agra	March 1934.
16. Wajid Ali	K. G. O. Bengal Sappers and Miners, Roorkee	October 1934.
17. M. A. Khan Haidari	Delhi Independent Brigade Area, Delhi Cantt.	April 1935.
18. Mohd. Zahid Khan	Signal Training Centre, Jubbulpore	October 1935.
19. Fazl Muhammad	2nd Bn., The K. O. Y. L. I., Maymyo	October 1935.
20. H. A. Fakhriey	Aircraft Park, R. A. F., Lahore Cantt.	October 1935.
21. Shaikh Abdur Rashid	Translator and Interpreter, High Court, Bombay.	April 1936—Bombay.
22. S. A. Sulmani	Oakgrove School, Jharipani (Dehra Dun).	January 1937.
23. Mohd. Ishaq	Lahore Brigade Area, Lahore Cantt.	April 1937.
24. Muhammad Umar	Station Staff Office, Lansdowne	July 1937.
25. Mohd. Majid-ul-Haq	1st Bn., The Kings Shropshire Light Infantry, Kamptee.	July 1937.
26. Mohd. Aquil Shahidi	1st Bn., The Royal Ulster Rifles	October 1937.
27. Abdul Ghani	Ambala Brigade Area, Ambala Cantt.	January 1938.

ARMY LANGUAGE TEACHERS.

NORTHERN COMMAND.

Name.	Unit or address.	Date of Pass.
1. Ghulam Rasool	1st Bn., The Devonshire Regiment	March 1935.
2. K. R. Mehta	Headquarters, 3rd (Jhelum) Infantry Brigade, Jhelum.	April 1909—Bombay.
3. Dewa Singh Bawa	5th Field Brigade, R. A.	October 1935.
4. Nathu Ram	Headquarters, 1st (Abbottabad) Infantry Brigade.	October 1930.
*5. Mohd. Aquil Shahidi	1st Bn., The Royal Ulster Rifles	October 1937.
6. Qazi Abdul Haq Khan	Headquarters, Peshawar Brigade and Station, Peshawar.	April 1914.
7. Sheik Abdul Karim	Headquarters, Nowshera Brigade	April 1928.
8. Zain-ul-Abadin-Abid	Headquarters, 1st (Risalpur) Cavalry Brigade	March 1920.
9. Qazi Ghulam Nabi	Headquarters, Landikotal Brigade	November 1917.
*10. Abdul Ghani	Ambala Brigade Area	January 1938.
*11. Mool Chand Saihgal	Station Staff, Sabathu (Summer months only)	July 1910.
12. Anand Sarup	Kasauli Hill Depot (Summer months only) Near Kali Bari, Sudder Bazar, Ambala Cantonment (Winter only).	October 1911.
13. S. M. Ramzan	Ferozepore Brigade Area	March 1919.
14. Ghulam Rasul Syed	1st King's Regiment, Multan	March 1919.
*15. Mohd. Ishaq	Lahore Brigade Area	April 1937.
16. Gulam Haider Mirza	Ferozepore Brigade Area	March 1919.
17. Abdul Hamid Khan.	2nd (Sialkot) Cavalry Brigade	March 1918.
*18. Din Mohd. Khan "Talib"	Jullunder Brigade Area	October 1917.
19. Abdul Wahid	Lahore Brigade Area	July 1913.
20. Muhammad Shah	Kohat Brigade, Kohat District Signals	October 1932.
21. Sher Ali Khan	Headquarters, Bannu Brigade	March 1919.
22. S. Ali Hussain Shah	Headquarters, Waziristan District, Wana Brigade.	March 1919.

WESTERN COMMAND.

Name.	Unit or address.	Date of Pass.
1. Sita Ram	"B" Corps Signals and 1st Bn., The Q. O. R. West Kent Regiment, Karachi.	October 1913.
2. Badri Parshad Aphaya	1st Bn., The Royal Scots Fusiliers and 13th Heavy Battery, R. A., Karachi.	October 1936.
3. Amar Nath Yogi	1st Field Brigade, R. A., Hyderabad (Sind)	March 1919.
4. Akbar Khan Akram Khan Kazi	2nd Bn., The Prince of Wales Volunteers and 2nd Indian Divisional Signals, Quetta.	January 1922—Bombay.
5. Iqbal Ali	Zhob (I.) Brigade Area, Loralai	October 1924.
6 Fazl Kareem	5th Light Battery, R. A., Quetta	April 1925.

EASTERN COMMAND.

Name.	Unit or address.	Date of Pass.
*1. Mohd. Sadiq Ali	1st Bn., Bedfs. and Herts. Regiment, Chakrata	March 1919.
2. Ahmad Bux	17/21 Lancers and Green Howards, Meerut	April 1908.
3. Jamil Ahmad	11th Field Brigade, R. A., Meerut	January 1935.
4. Gulzari Lal	25th Field Brigade, R. A., Jhansi	April 1908.
*5. Sharafat Ali	2nd Bn., Oxf. and Bucks and 83rd Field Battery, R. A.	July 1918.
*6. Wajid Ali	K. G. O. Bengal Sappers and Miners, Roorkee	October 1934.
7. Karim Baksh	14/20th Hussars and 1st Bn., The Buffs, Lucknow.	January 1908.
8. Mohd. Ashfaq Hussain	Station Staff Office, Allahabad	March 1918.

ARMY LANGUAGE TEACHERS—*contd.*

EASTERN COMMAND—*contd.*

Name.	Unit or address.	Date of Pass.
*9. Ghasita Ram	2nd Bn., The Royal Berkshire Regiment and 8th Fd. Bde., R. A., Lucknow.	July 192
10. Sahibzada Dost Mohd. Khan Durrani.	Station Staff Office, Cawnpore	October 193 .
11. S. Tasadduq Hosain	Station Staff Office, Fyzabad	March 1921.
12. Abdul Halim Khan	2nd Bn., The King's Own Scottish Borderers	April 1923—Bombay
13. Z. M. Shah	1st Bn., The Cameronians, Barrackpore	July 1918—Bombay.
14. Muhammad Musharraf Ali	1st Bn., The Northamptonshire Regiment, Dinapore Cantt.	March 1918.
15. Azizur Rahman	Garrison Munshi, The Fort, Delhi	April 1909.
16. Bikram Singh Ahluwalia	7th Medium Brigade, R. A., Muttra	April 1933.
*17. Ahad Bux	2nd Bn., The Welch Regiment, Agra	March 1934.
*18. M. A. Khan Haidari	Delhi Independent Brigade Area, Delhi Cantt.	April 1935.
*19. Muhammad Umar	Station Staff Office, Lansdowne	July 1937.
	SOUTHERN COMMAND.	
1. Syed Ameer	Royal Artillery, Trimulgherry	July 1918—Madras.
2. Mohd. Hasan Khan	2nd Bn., The Argyll & Sutherland Highlanders, Trimulgherry.	April 1937.
3. Abdul Karim	1st Bn., The West Yorkshire Regiment, Trimulgherry.	April 1936.
4. Abdul Rabb	1st Bn., The Leicestershire Regiment, Jubbulpore.	July 1918.
5. Mirza Nasir Ali Baig	2nd Bn., The York and Lancaster Regiment, Ahmednagar.	July 1922—Bombay.
*6. Mohd. Zahid Khan	Signal Training Centre, Jubbulpore	October 1935.
7. Mohd. Ismail	1st Bn., Leicestershire Regiment, Jubbulpore	October 1915.
8. Ram Din Khushawal	15th Field Brigade, R. A., Jubbulpore	July 1907—Bombay.
*9. Mohd. Majid-ul-Haq	1st Bn., The King's Shropshire Light Infantry, Kamptee.	July 1937.
10. Dharam Narain	6th Field Brigade, R. A., Mhow	July 1922—Bombay.
11. Farhat Ali Suhail	1st Bn., The Lincolnshire Regiment, Nasirabad	July 1916.
12. Mir Ahmed Ali	Q. V. O. Madras Sappers and Miners, Bangalore	July 1918—Madras.
13. Mohd. Ishaque	1st Bn., The Wiltshire Regiment, Bangalore	July 1928—Madras.
14. Gulam Ahmed	1st Bn., the Gloucestershire Regiment, Wellington.	January 1937.
15. Hamza Ali Khan	1st Bn., The King's Own Royal Regiment, Madras.	October 1920.
16. Mohd. Aminuddin	14th Heavy Battery, R. A., Block 46, Room 22, Colaba Dandy.	November 1918.
17. Brahma Anand Sharma	2nd Bn., The Suffolk Regiment, Mhow	January 1929—Bombay.
18. Abdur Rahman	1st Bn., The North Staffordshire Regiment, Poona.	October 1924—Bombay.
19. I. B. Bhaldar	1st Bn., The somerset Light Infantry, Poona	October 1936.
20. S. Khurshad Ali	3rd Field Brigade, R. A., Kirkee	October 1916.
21. Abdul Aziz Khan "Asim"	Royal Bombay Sappers and Miners, 809, Munshi Buildings, Camp Poona.	April 1926—Bombay.
22. K. A. Haider	Station Staff Office, Deolali	September 1935.
	BURMA.	
1. Jiya Lal Gupta	1st Bn., The King's Royal Rifle Corps, Mingaladon.	October 1918.
*2. Fazl Muhammad	2nd Bn., The K. O. Y. L. I., Maymyo	October 1935.

ROYAL AIR FORCE LANGUAGE TEACHERS.

Name.	Address.	Date of Pass.
1. Mohd. Raqim Khan . . .	No. 1 (Indian) Wing Station, R. A. F., Kohat .	March 1930.
2. Said-ul-Mahbud . . .	No. 2 (Indian) Wing Station, R. A. F., Risalpur	March 1919.
3. Mohd. Rahim Shah . . .	No. 5 (A. C.) Squadron, R. A. F., Chaklala .	October 1912.
4. Abdul Majid . . .	No. 20 (A. C.) Squadron, R. A. F., Peshawar .	April 1923.
5. Satya Pal Salik . . .	No. 28 (A. C.) Squadron, R. A. F., Ambala .	October 1931.
*6. H. A. Fakhriey . . .	Aircraft Park, Lahore Cantt.	October 1935.
7. Ram Chand Rellaram Mirchandni	Aircraft Depot, R. A. F., Drigh Road, Sind .	January 1935—Bombay.

TEACHERS NOT EMPLOYED WITH UNITS.

NORTHERN COMMAND.

AMBALA—

Kashi Nath, near Kali Bari.

Khurshaid Alam Khan, Kothi Rahat Manzil, Sadar Bazar, January 1937.

BANNU—

Amir Jan, Mohalla Bhatia, Inside New Katcheri Gate, October 1929.

Mul Chand, s/o. Jaswant Singh, Khurana of Bannu City, Munshianwala Street, opposite House of R. B. Chiman Lal, M. L. A., October 1914.

FEROZEPORE.—J. Kishori Lall, Sadar Bazar, Bazar No. 5, July 1908.

JHELUM.—F. H. Shah, Mohd. Shah Baur, October 1935.

JULLUNDUR.—Dhram Lall, c/o. The Oriental Book Depot, Jullundur Cantt., April 1918.

JUTOGH.—Mhd. Yaqub, R. A. Mess, Simla Hills, July 1937.

KOHAT.—* Lal Mohd. Quraishi, Mohalla Mian Badshah, October 1918.

LAHORE—

Abdul Aziz, Bakaya Cottage, Kashmir Gate, October 1929.

Fazl Ilahi, Pensioner Regimental Munshi, De-Fazl House, Ichhra, January 1918.

Lekh Raj, B. A., Officers' Munshi, Kothi, Dr. Jawahar Lal, Baghhanpura, September 1925.

Mohd. Zarine Khan, c/o. Hamza Khan, Coal Merchant, Lal Kurti Bazar, April 1936.

Muzaffar Ali Khan, near Imam Bara, Kharas Mohalla, Sadar Bazar, July 1907.

Muhammad Amin, Head Oriental Teacher, Cantt. High School, Lahore Cantt., July 1935.

LUDHIANA.—Abdul Muid, c/o. S. M. Ahmad Shah, Retired Municipal Secretary, near Golden Mosque, March 1920.

MULTAN—

Abdul Majid Khan Shakir, near Market, October 1920.

Allah Bakhsh, outside Delhi Gate, Katiwar Well, March 1921.

* Aulad Ali Gilani, Secretary to the Multan District Board, April 1916.

NOWSHERA—

Ghulam Idris, Nowshera City, July 1920.

Mohd. Sarwar Chishti, 458, New Mohalla, Sudder Bazar, March 1920.

PANIPAT.—Brahma Nand Goel, Gali Banarsiyan, October 1919.

PATHANKOT.—Abdul Haq, Second Master, Dist. Gurdaspur, October 1919.

NORTHERN COMMAND—*contd.*

PESHAWAR—

Qazi Abdul Wahab Khan, Saddar Bazar, October 1930.

Ajab Shah Anand, Edwards Gate, Daki Nama, July 1916.

* Ahmad Jan, Sadar Bazar, July 1907.

PHILLAUR.—Mohd. Yaqub Khan, Police Training School, October 1921.

RAHON.—Gulwant Rai, c/o. P. Dhanpat Rai, Officers' Munshi, October 1937.

RAWALPINDI—

Arjun Dev Kamra, c/o. Ch. Bhadar Sain, B. I. Bazar, October 1937.

Bakshi Lakhpat Rai, New Street, April 1937.

Lakshman Das, Ex.-A. L. T., Saidpuri Gate, 1904.

Mohd. Abdul Khaliq, 1155, Brownlow Street, October 1918.

SIALKOT.—Sayyad Babar Ali Shah, Mainpura, January 1936.

SIMLA—

Abbas Ali, Butt, "Fauji Akhbar", January 1931.

Liyaqatullah Khan, Central Board of Revenue, June 1925.

Mohd. Zea, Finance Department, Government of India, August 1923.

Noor Ahmad Chohan, 76, Upper flat, The Mall, January 1937.

Siddiq-ul-Hasan Khan, "Fauji Akhbar", September 1926.

Munshi S. H. Shah, 786, The Mall, 1937.

SUBATHU—

* Mool Chand Saihgal, July 1910.

* Jawala Prasad, July 1910.

WESTERN COMMAND.

FORT SANDEMAN.—Parmanand, c/o. Messrs. Khushiram & Co., Motor Goods Dealers.

KARACHI—

Kishinsingh Hassomal Vaswani, 58, Jamshed Quarters, P. O. Sadar, July 1931—Bombay.

Kewalram, Khemchand Bhavnani, Supdt. Local Audit and Outside Audit Sections, office of the Comptroller, Sind, Karachi, January 1922—Bombay.

Ch. Inayat Ullah, c/o. Mohd. Abdullah, Master Tailors' Clerk Street, October 1937.

QUETTA.—Mirza Sarwar Khan, Anderson Road, January 1919.

EASTERN COMMAND.

AGRA—

Sharif-Uddin, B.A., LL.B., c/o Syed Shahbir Husain, Bungalow of Dr. Neal, Lady Layall Hospital, April 1936.

Sultan Hussain, Teacher, Shahgunj, October 1921.

ALLAHABAD—

Ali Abbas, 164/191, Ranimandi, October 1921.

Ashgar Hussain, Central East Quarters No. 18, Daryabad, April 1929.

Mohd. Abdul Naim, c/o Mohd. Ashfaq Husain, A. L. T., Sadar Bazar, March 1937.

Mohd. Ismail, Nos. 63 and 79, South Malaka, October 1915.

Syed Mazhar-ul-Hussain, 189, Ranimandi, July 1915.

ALIGARH.—Mohd. Abrar Husain Faruqui, Lecturer, Muslim University, November 1931.

ASANSOL.—Sukh Deo Lal, 44, Bastin Bazar, April 1920.

BAREILLY.—Bashir Ahmad, R. K. Railway, Izatnagar, July 1919.

BUDAUN—

Md. Abdul Salam, c/o Collector's Office, July 1919—Bombay.

Samiuddin Qadri, Haveli Danishmandi, Maulvitolla, October 1919.

CALCUTTA—

Abdul Habib Khan "Qaisar", 22, Balu Hakkak Lane, Park Circus, July 1916.

Abdul Karim Nashtar, 8, Jemadar Khan Lane, Ballygunj, January 1907.

Abdul Mozaffar, c/o Munshi Mohinuddin Ahmad, 24, Bright Street, Park Circus, March 1931.

* Abul Qadim Jafari, 12, Damzen Lane, Chinapara, May 1920.

M. A. Samad Qamar Siddiqi, 1, Chattu Babu Lane, P. O. Entally, November 1931.

Akmal Ali Akmal, 2, Beniapara Lane, Entally P. O., April 1906.

Azehrus Sadain, Retired Headmaster, Woodburn, M. E. School, 151-B, New Theatre Road, October 1916.

Jagannath Misra, 109, Harrison Road.

Mohd. Serajul Haque, "Quraishi", 11, Tiretta Bazar Street, October 1921.

Mohiuddin Ahmad, 24, Bright Street, Park Circus, March 1925.

* Raza Ali Wahshat, 17, Wellesley 2nd Lane.

S. M. Yunus, 12, Banti Bagan Lane, Entally, January 1919.

Zafar Salim, Oranpara, Tittaghur, July 1920.

DEHRA DUN.—* Syed Ashfaq Ali Sulmani, Lecturer in Urdu, Oak Grove School, Jharipani, January 1937.

DELHI—

R. N. Mital, c/o The Superintendent of Education, January 1936.

Liyaqatullah Khan, Central Board of Revenue, June 1925.

Mohd. Azam, Imperial Record Department, October 1918.

Mohd. Zea, Finance Department, Government of India, August 1923.

Mohd. Israil Khan, Chief Maulavi, Imperial Record Department, July 1911.

Mukhtar Ahmad, c/o Prof. Zafar Ahmad, Machhliwalan.

GAYA.—Jagannath Misra, Mohalla Murarpore.

HATAWANI.—S. C. Bagchi, October 1937.

EASTERN COMMAND—contd.

JHANSI—

Abdulla Khan, Sadar Bazar, behind Kotwali, January 1911.

Nirmal Prasad Jain, Sadar Bazar, Jhansi, July 1919.

KIRATPUR.—Zia Ahmad Ansari, s/o Mohd. Sadullah, Dist. Bijnor (U. P.), January 1936.

LUCKNOW—

Ram Sarup, Sarai Malikhan, Chhatta Balkishan, March 1921.

Abdul Alim, Hussainganj, near Veterinary Hospital, October 1907.

MEERUT—

Chhote Lal, Lalkurti Bazar, 3, Jamun Street, July 1914.

Jawala Parshad, Lalkurti Bazar, 3, Jamun Street, July 1910.

* Shafi Ahmad Mazhary, M. A., Bhaiya Nizamuddin ki Kothi (Begam Kothi), Begum Bagh, January 1919—Bombay.

NAINITAL.—Faqir Ullah ,St. Joseph's College, October 1910.

PATNA.—* Mohd. Hasan Jafari, Sadiqpur, P. O. Gulzarbagh, April 1920.

SOUTHERN COMMAND.

AJMER.—Syed Noor Ahmad Qadri, M. I. C. S., c/o Baghdadi Shah Sahib's House, Zer-e-Chilla Bare Pir Sahib, Mohalla Anderkot, January 1932.

ARCOT.—Rashid Mahmud, No. 4, Fakir Ahmed Sahib Street, July 1935—Madras.

BANGALORE—

Abdulla Khaleel, 150, Veera Pillay Street, C. & M. Station, January 1930—Madras.

Abdul Bashir Sahib, B.A., Baldwin Boys' High School, July 1935—Madras.

S. M. A. Khadir, Assistant Master, Municipal Rahmaniah School, Timmiah Road, Civil and Military Station, July 1935—Madras.

A. S. Wale Muhammad, c/o Khadar Navaz Khan Sahib, Hozur Cattle Farm, S. I., January 1921—Madras.

Choudri Muhammad Mustafa, 108, Blockpally Road, January 1935—Madras.

S. M. Ahmad, No. 4, near Police Station Kalasipalayam, January 1920—Madras.

Syed Zia-ul-Huq Hussain, 31, Cockburn Road, January 1919—Madras.

Muhammad Ali, 66, Maccan Road, St. John's Hill, January 1925—Madras.

Sheik Abdul Ghani, No. 4C, Tannery Road, P. O. Fraser, January 1936—Madras.

BELGAUM.—Khwaja Mian (*alias* K. M. Syed), Bhandarsha Galli, opposite to the Taluka Kuchery, July 1921—Madras.

BOMBAY—

H. M. Anwar, Khatib House, Karel Wadi, Post 2, April 1917—Bombay.

Mohd. Ismail Jan, H. M. I. S. "Dalhousie", Royal Indian Navy, October 1918.

* Mahmud Hasan Israili, 9, Sankli Cross Street, Jehangir Building (8), October 1916.

Musa Yunus Hakim, Senior Persian and Urdu Translator and Interpreter, Translator's Office, High Court, July 1918—Bombay.

Sheikh Abdur Rashid, M.A., Translator and Interpreter, High Court, April 1936—Bombay.

T. A. Najm, Abid Mansion, New Nagpada, July 1922—Bombay.

Z. A. Barni, Office of the Oriental Translator to Government, Secretariat, January 1922—Bombay.

GONDA.—Abdul Aziz, c/o Hafiz Abdul Razaq & Son, Chowk.

EASTERN COMMAND—*concld.*

MADRAS—

Muhammad Munawar Khan, "Gawhar", Urdu Lecturer, Women's Chiristian College, Madras, No. 224, Pycroft's Road, Royapettah P. O., January 1933—Madras.

Mohd. Ishaq Sahib, No. 41, Bala Muthu Street, Mount Road, July 1936—Madras.

THE NILGIRIS.—Muhammad Aslam Khan, B.A., Urdu Master, St. Joseph's College, P. O. Lovedale, January 1938—Madras.

NOWGONG.—Hashmatullah, Assistant Teacher, C. H. School, April 1930.

POONA—

A. Aziz Hafiz, 1093, Old Modikhana, Camp, April 1934—Bombay.

Syed Inam Ali, 12, Connaught Road, October 1916—Bombay.

Syed Mustafa, 16, Ghorpuri Bazar, Ghorpuri, January 1920—Madras.

SAUGOR.—Rameshwar Dayal, c/o The Coffee Shop, Equitation School, March 1918.

SECUNDERABAD—

Muhammad Azmathulla, 4583, New Bhoiguda, January 1933—Madras.

Mohd. Nurul Hasan, 5520, Regimental Bazar, July 1931—Madras.

Syed Nazir Ahmed, No. 2558, Durga Street, Ghas Mandi, July 1920—Madras.

TRICHINOPOLY.—Muhammad Abdus Salam Sahib Raunaq, 31, Khiladar Street, Teppakulam Post, July 1933—Madras.

BURMA DISTRICT.

RANGOON.—Malik Ram, Higher Grade Pleader, 61, Barr Street, April 1922.

QUALIFIED BENGALI TEACHERS.

BARISAL.—Mukund Lal Das Gupta, Bagura Road.

BUDGE BUDGE.—A. K. Niyogi, Assistant Teacher Sarangabad H. E. School, March 1935.

CALCUTTA.—Tafazzul Husain, c/o Munshi Mohiuddin Ahmad, 24, Bright Street, Park Circus, March 1933.

QUALIFIED CANARESE TEACHER.

BANGALORE.—Pandit K. Hanumantha Rao, "Datta Vilas" III Cross Road, Basavangudi P. O., January 1917—Madras.

QUALIFIED HINDI TEACHERS.

BRINDABAN.—Hazari Lal, Christian Hospital, January 1937.

CALCUTTA.—Jagannath Misra, 109, Harrison Road.

DELHI.—Pandit Dilsukh Rai, Nai Basti, Near Dharamsala.

GAYA.—Jagannath Misra, Mohalla Murarpore.

CAWNPORE.—R. N. Sharma, B.A., Parmat, Civil Lines, January 1935.

SIALKOT.—Chaman Lal Bhasin, B.A. (Hons.), LL.B., Sadar Bazar, January 1935.

QUALIFIED MALAYALAM TEACHER.

M. R. Ry. N. Sankara Pillai, Head Master, V. M. School, Valathungal, Mayyanad (S. I. R.), January 1917—Madras.

QUALIFIED MARATHI TEACHER.

AHMEDNAGAR.—* Bapu Krishna Davare, Marathi Pandit, Davare Galli, April 1923—Bombay.

BELGAUM.—* B. G. Naik, 94, Thalakwadi, October 1936—Bombay.

POONA CITY—

Govind Krishna Modak, Sanskrit Teacher, New English School, January 1917—Bombay.

D. K. Pathak, c/o. Messrs. Keshav & Co., 969, Sadashiv Peth, January 1917—Bombay.

* Pandit P. S. Bawle, 496, Rasta Peth, Sardar Mudliar Road, January 1920—Bombay.

TASGAON.—* M. D. Kuray, B.A., Mamladar, Distt, Satara, October 1923—Bombay.

QUALIFIED PUNJABI TEACHERS.

FEROZEPORE.—S. Jagat Singh, s/o S. Ram Singh, Patti Suja Singh Pujari, November 1932.

HOSHIARPUR.—S. Mohan Singh, s/o S. Thakar Singh, Kaindow Wal, November 1932.

QUALIFIED SINDHI TEACHERS.

KARACHI—

Kishinsingh Hassomal, Vaswani, 58, Jamshed Quarters, P. O. Sadar, January 1930—Karachi.

Mohanlal Jotsing Shahani, B.A., c/o Mr. Anandram T. Shahani, Teacher of languages, Lakshmi Lodge, Garikhata, July 1935—Karachi.

Ramdas Vishindas Lakhani, Overseer, c/o The Executive Engineer, Development and Research Division, Artillery Maidan, January 1933—Karachi.

QUALIFIED TAMIL TEACHERS.

KUMBAKONAM.—Vidwan A. M. Satakoparamanuja Acharya, Lecturer in Tamil and Dravidian Philology Government College, July 1917—Madras.

MADRAS.—M. R. Ry. K. Raghavachariar Avl., Lecturer in Tamil, Wesley College, Royapettah, January 1917—Madras.

QUALIFIED TELUGU TEACHER.

M. R. Ry. K. Subrahmanya Sarma, Telugu Pandit, A. B. M. Girls' High School, Nellore, January 1919—Madras.

N.B.—Teachers whose names are preceded by an asterisk (*) are considered especially competent to give advanced instruction in the language.

Whenever any teacher changes his address he is requested to communicate his new address to the Secretary, Board of Examiners, Army Headquarters.

C. A. BOYLE, *Colonel*,
Secretary, Board of Examiners.

SIMLA;
The 1st March 1938.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATION.

Poona 5, the 9th March 1938.

No. G.-6430/P.-91.—Dr. L. A. Ramdas, M.A., Ph.D. (Cal.), Agricultural Meteorologist, Poona, was granted leave on average pay for sixteen days, with effect from the 7th February 1938, with permission to prefix Sunday, the 6th February 1938.

C. W. B. NORMAND,
Director General of Observatories.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 10th March 1938.

No. 81-P.—The services of 1st Class Assistant Surgeon C. J. Coshan, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 1st March 1938.

New Delhi, the 11th March 1938.

No. 82-P.—The services of undermentioned Sub-Assistant Surgeons of the Indian Medical Department are replaced at the disposal of the Director of Medical Services in India, with effect from the dates shown against their names:—

No. 1926 Jemadar Sham Lal—24th January 1938.

No. 2332 Jemadar O. K. Sankaran—21st February 1938.

No. 83-P.—The services of 1st Class Assistant Surgeon D. S. Jackson, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 25th February 1938.

E. W. C. BRADFIELD,
Major General, I.M.S.,
Director-General, I. M. S.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 10th March 1938.

No. 213-An.—Mr. Ganga Ram, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, has been granted privilege leave for three months, with effect from the forenoon of the 1st March 1938, with permission to prefix Sunday the 27th February 1938 and the gazetted holiday on the 28th February 1938 to this leave.

No. 214-An.—Mr. Manohar Lal Behl, an accountant in the office of the Controller of Military Accounts, Northern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office with effect from the forenoon of the 1st March 1938.

New Delhi, the 14th March 1938.

No. 215-An.—Mr. Jhanda Singh, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions, reverted to his substantive grade, with effect from the forenoon of the 4th March 1938.

M. R. COBURN,
Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 14th March 1938.

No. S.-177/9.—Mr. J. P. D'Souza, an officer of the Telegraph Traffic Service Class II, attached to the Punjab and N.-W. F. Circle, is permitted to retire from service with effect from the 13th August 1938.

New Delhi, the 17th March 1938.

No. S.-80/12.—Mr. W. Homer, Postmaster, Grade B, is appointed substantively as Postmaster, Grade A, with effect from the 27th November, 1936.

G. V. BEWOOR,
Director General of Posts and Telegraphs.

INCOME TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 5th March 1938.

No. 16574-A. C.T./2-E./52.—Mr. W. A. Phillippe, Assistant Commissioner of Income-tax, Range No. I will remain in charge of the office of the Assistant Commissioner of Income-tax, Calcutta Range No. II in addition to his own duties during the absence on leave of Rai Bahadur N. N. Chakravarty, with effect from the 7th March 1938.

Calcutta, the 8th March 1938.

No. 16702-C.T./2-E./48.—Mr. A. Khan, B.A., Income-tax Officer, District IV(2), Calcutta (on leave) is allowed under Fundamental Rule 81(*b*) (ii) an extension of leave on average pay for 2 months and 4 days with effect from the 27th February 1938, with permission to affix Sunday the 1st May 1938 to the leave. It is also certified that there is likelihood of the above officer returning to the post of the Income-tax Officer, District IV (2), Calcutta on the expiry of his leave.

S. N. BANERJEA,
Commissioner.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 9th March 1938.

No. O.P.E.-418-P.-5.—Mr. Charanjit Singh, Assistant Superintendent (Junior Scale), Transportation (Traffic) and Commercial Department was granted 2 months leave on average pay in India on medical grounds, with effect from the 30th November 1937 to the 29th January 1938.

No. O.P.E.-418-P.-5.—Mr. A. H. Hollis, Superintendent (Senior Scale), Transportation (Traffic) and Commercial Department, has been granted 88 days privilege leave combined with 3 months and 3 days furlough on full pay out of India, with effect from the 8th April 1938 or subsequent date of relief.

No. O.P.E.-418-P.-5.—(I) Mr. C. Pearce, Superintendent (Senior Scale), Transportation (Power) and Mechanical Engineering Department, has been granted 4 months' privilege leave combined with 3 months and 25 days' furlough on full pay out of India, with effect from the 15th March 1938 or subsequent date of relief.

(II) Mr. A. Gumbrill, Publicity Officer (Senior Scale), has been granted 5 months and 24 days' leave on average pay plus 2 months and 6 days' leave on half average pay in India, with effect from the 1st April 1938 or subsequent date of relief.

Calcutta, the 10th March 1938.

No. E.P.-447.—Mr. H. L. Carter, District Signal Engineer, has been granted 58 days' privilege leave combined with 2 months and 10 days' furlough on full pay plus 2 months and 22 days' furlough on half pay with effect from the forenoon of 18th March 1938 or subsequent date of relief.

Calcutta, the 12th March 1938.

No. A.E.-418-P.-5.—Mr. T. D. Bandey, Assistant Superintendent (Lower Gazetted Service), Transportation (Traffic) and Commercial Department, has been granted 4 months' privilege leave combined with 4 months' furlough on full pay out of India, with effect from the 20th March 1938 or subsequent date of relief.

J. A. BELL,
Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 9th March 1938.

No. 80-E./16.—Mr. R. Krishnaswamy, an officer on probation in the Junior Scale of the Transportation (Power) and Mechanical Engineering Branch, is confirmed in his appointment, with effect from 4th January 1938.

A. F. HARVEY,
Agent.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 7th March 1938.

No. 30.—Mr. B. N. Kaul Sharga, Assistant Executive Engineer, is granted leave on average pay for 3 months with effect from 15th April 1938 or subsequent date of relief.

Lahore, the 8th March 1938.

No. 31.—Mr. T. G. R. Eagan, Executive Engineer, is granted leave (out of India) for 6 months, *viz.*, leave on average pay for 5 months and on half average pay for the remaining period, with effect from 19th April 1938 or subsequent date of relief.

C. F. CARSON,
Lt.-Col., R.E.,
Agent.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 8th March 1938.

No. 21620-S.-2105.—Mr. H. Smith, Assistant Transportation Superintendent (Lower Gazetted Service), was granted 2 days privilege leave from 24th December 1937.

Mr. Daulat Ram, Assistant Engineer (Lower Gazetted Service) availed himself of 1 month and 13 days leave on average pay from 25th December, 1937, instead of 1 month and 18 days from that date as previously notified.

Mr. M. D. Balaraman Iyer, Assistant Transportation Superintendent (Junior Scale), has been granted 4 months leave on average pay from 27th December 1937.

Mr. A. Orr, Assistant Engineer (Lower Gazetted Service), has been granted 7 months and 25 days combined leave (*viz.*, 4 months and 19 days on average pay and 3 months and 6 days on half average pay) from 11th February 1938.

Major J. E. Clutterbuck, Officiating Executive Engineer (Senior Scale), was granted 2 days leave on average pay from 25th February 1938, with permission to affix Sunday and Monday the 27th and 28th February 1938 respectively.

Mr. S. M. Amir, Assistant Transportation Superintendent (Junior Scale), has been appointed to officiate in the Senior Scale from 1st February 1938.

L. WILSON,
Agent.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, MARCH 26, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

Annual rates of subscription including packing and Indian postage.

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Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0
Parts I, II, II-A and III (together)	35	0	0
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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Local Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 26th March 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

March 12, 1938.

25024. G. Stroher. Improvements in or relating to hair waving apparatus. (August 10, 1937).

25025. R. G. Breadmore. Roller blind, positively operated, radiator shutter.

25026. W. H. P. Boll. Improved attrition mill.

March 14.

25027. M. M. Lohar. An adhesive coating device for cementing together papers and fabric.

25028. J. B. Vercruysse and J. Vercruysse. Improvements relating to bicycles and like vehicles propelled by means of pedals or the like.

25029. J. E. Ilbery. A combination slotted bolt and slot indicator with an adjustable locking nut.

25030. British Smokeless & Oil Fuels Ld. Improvements relating to the distillation of coal and other carbonaceous substances.

25031. G. Fraser and Douglas Fraser & Sons, Ld. Improvements in sliver balling machines and yarn and the like winding machines.

25032. Standard Telephones and Cables, Ld. Improvements in or relating to goniometer coils for radio direction finding systems. (March 19, 1937).

25033. Standard Telephones and Cables, Ld. Improvements in or relating to railway signalling systems. (March 25, 1937).

25034. Standard Telephones and Cables, Ld. Improvements in or relating to wave transmission systems. (March 25, 1937).

25035. A. Fisch. Sole with foot support made from rubber or other pliable material.

March 15.

25036. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). Improvements in method and apparatus for the fuel regulation in dust fuelled engines.

25037. Newcon Industries, Ld., and G. P. Crowden. Improvements in and relating to cubicles or apartments for use in houses, factories, tents and other buildings and temporary shelters. (March 15, 1937).

25038. Naamlooze Vennootschap Organon. Cyclopentano-dimethyl-polyhydro-phenanthrene carboxylic acids and derivatives thereof.

25039. H. Debor and R. Debor. Improvements in and relating to the manufacture of hollow metal bodies.

March 17.

25040. Imperial Chemical Industries, Ld. Improvements in or relating to the separation of minerals.

25041. Imperial Chemical Industries, Ld. Improvements in or relating to the separation of minerals.

25042. Saml. Hanson & Son, Ld. Improvements in or relating to the insertion of wire-rips in can-closures and apparatus therefor. (March 23, 1937).

March 18.

25043. S. H. Lundberg and G. H. Flodin. A method of extracting magnesium oxide from sea water in an electro-chemically way. (March 19, 1937).

25044. Kores (India), Ld. Writing ink tablets.

25045. A. L. McWilliam, E. L. Goodman, and McLeod & Co., Ld. Improvements centering device for tilting or swinging-out pressure caps of tea rolling machines.

25046. J. Kay. Improvements in and relating to intermittent timing apparatus.

Alteration of Date.

(I)

23921. The claim to priority date 24th April 1936 has been abandoned and the application dated as of the 23rd April 1937, the date of filing in India.

(II)

23960. The claim to priority date 9th May 1936 has been abandoned and the application dated as of the 3rd May 1937, the date of filing in India.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23780. H. C. Andrews. Improvements in or relating to tea leaf rolling machines. *Providing serrations on the working surfaces of pressure applying member and table.*

23796. International General Electric Co. of New York, Ld. Improvements in and relating to luminescent materials for use in electric lamps and the like. *Comprising cadmium oxide and silica and from which all traces of nickel, etc. have been removed.*

23822. International General Electric Co. of New York, Ld. Improvements in and relating to fluorescent materials and methods of manufacturing the same. *Comprising zinc oxide and silica.*

23921. G. Richardson. Improvements in or relating to heat insulation. *Bright metal sheet of thickness between ·05 to ·15 mm. with projections on faces.*

23960. Callender's Cable and Construction Co. Ld. An improved method of metal rolling and machine applicable for the manufacture of electric conductors. *Power driven shaping rolls rotatably driven relative to the tabular guide and the rod about a longitudinal axis.*

24277. Mabie, Todd & Co., Ld. Improvements in or relating to pencil holders. (August 17, 1936.) *Sliding sleeve to guide the collet in spring jaw type of holder is longitudinally inserted in fixed collar.*

24358. The Kassipur Company, Limited. Improvements in and relating to the conditioning and bleaching of vegetable fibres, and more especially of jute fibres. *Subjecting to the action of bleaching liquor in presence of quantity of caustic soda between 1 per cent. and 2 per cent.*

24359. The Kassipur Company, Limited. Improvements in and relating to the production of artificial wool from vegetable textile fibres, particularly jute fibres. *Fibres treated with caustic soda solution of strength 26 to 50° TW.*

24474. Naamlooze Vennootschap : W. A. Scholten's Chemische Fabrieken. A process for manufacturing cold swelling starches and solutions of the same. *Addition of an aldehyde to cold swelling starch solution.*

24495. L. S. Davar & Co. An improved animal trap. *Platform when tipped over causes a door or flap to block the entrance to the cage.*

24526. British Acoustic Films, Ld. Improvements relating to photographic sound records and methods of producing same. (November 11, 1936). *Portion of phonic energy supplied through a filter having cut-off in higher audible frequencies to a rectifier.*

24630. M. V. Pandloskar and S. V. Pandloskar. Improved oil lamp with arrangement for keeping it burning for a longer period. *An extra oil vessel and means for automatically pushing forward the wick.*

24703. O. Siemen and J. Hinsch. Improvements in and relating to liquid pumps with a rotary cell wheel. (January 30, 1937). *Separate pump removes air from the cell wheel and delivers same to the delivery pipe of pumps.*

24712. The Rawlplug Co., Ld. Improvements relating to wall or like plugs. *Composed of fibrous material strengthened by wires arranged longitudinally or helically.*

24716. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny & Cirey. Improvements in and relating to apparatus for chilling glass for tempering. *By a plurality of jets from nozzles spaced at more than 5/8" from the glass.*

24730. F. G. Pratt. Improvements in the hulls of mechanically propelled vessels. *Provided with two symmetrically arranged and submerged bilges.*

24737. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to superheterodyne receivers. *Automatic frequency control in which frequency correction of oscillator tank circuit is uniform through tuning range.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each:—

23369. The General Electric Co. Ld.
23654. Chaubal.
23680. Knight.
23795. Elkington.
24108. Universal Oil Products Co.
24109. Universal Oil Products Co.
24209 Handstaubsauger Gesellschaft m. b. H.
24268. British Celanese, Ld.
24330. Masterman.
24524. Lodge.
24525. E. I. duPont de Nemours and Co.
24546. Owens-Illinois Glass Co.
24547. Corning Glass Works.
24554. Marconi's Wireless Telegraph Co., Ld.
24557. Metropolitan-Vickers Electrical Co., Ld.
24560. Chemical Works Formerly Sandoz.
24581. Brandwood.
24587. I. G. Farbenindustrie Aktiengesellschaft.
24588. E. I. Du Pont De Nemours and Co.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23365. Turner & Newall, Ld.
23384. Satin.
23413. I. A. T. Warde.
23473. G. P. Davis.
23579. Aluminium Company of America.
23784. Professor Dr. Ing. Kirschbaum and Dipl. Ing. Starck.
23912. Henroteau.
23942. Telefunken Gesellschaft fur Drahtlose Telegraphic m. b. H.
24177. Crompton Parkinson, Ld.
24203. Nicholls.
24210. Ruhrchemie Aktiengesellschaft.

24217. Grauert.

24248. L. S. Davar & Co.

24250. Pai.

24253. Metropolitan-Vickers Electrical Co., Ld.

24260. Marconi's Wireless Telegraph Co., Ld.

24279. Marsh.

Patents Sealed.

23064. Muller.

23250. Venugopal.

23677. Mathur.

23783. Roy.

23856. The Pioneer Trading Co.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest:—

No. 19724. Gajanan Ramchandra Deo.

Nos. 23060 and 23547. Chan Ting Yu also known as T. Y. Chan.

Opposition Proceedings.

(I)

This is an opposition entered by M. G. Pai to the grant of a patent on application No. 24468 made by W. Jefferies and Peirce, Leslie & Co., Ld.

(II)

This is an opposition entered by M. G. Pai to the grant of a patent on application No. 24497 made by W. Jefferies and Peirce, Leslie & Co., Ld.

Renewal Fees Paid.

PATENTS.

11178. (Mrs.) Morgan Gale. (To 23rd March 1939).

12187. The Railway Supplies Co., Ld., and ors. (To 16th April 1939).

12368. International General Electric Co. Inc. (To 21st June 1939).

15015. Flettner. (To 24th March 1939).

15619. Universal Oil Products Co. (To 15th April 1939).

15679. Universal Oil Products Co. (To 29th April 1939).

15784. Duval. (To 21st May 1939).

15785. Duval. (To 21st May 1939).

15787. Duval. (To 21st May 1939).

16797. The Carlton Main Colliery Co., Ld. (To 11th April 1939).

16816. Elektrotechnische Fabrik Schmidt and Company Gesellschaft m. b. H. (To 17th March 1939).

16960. Das. (To 5th May 1938).

18154. McKenzie. (To 16th April 1939).

18826. (Mrs.) Cantlon. (To 21st March 1939).

18830. Snitkin. (To 23rd March 1939).

18874. Universal Oil Products Co. (To 11th April 1939).

19745. Power. (To 22nd March 1939).

19789. Hooks. (To 10th April 1939).

19928. Stone and anr. (To 20th June 1939).

19952. Society of Chemical Industry in Basle. (To 27th May 1939).

20015. Jennings. (To 20th June 1939).

20212. Tefag Textile Finanz A-G. (To 4th September 1939).

20690. Marklew. (To 14th March 1939).

20740. Hartmann. (To 13th April 1939).

20859. The Indian Hume Pipe Co., Ld. (To 12th May 1939).

20942. International General Electric Co. Inc. (To 12th June 1939).

21767. International Anemostat Holding Company Limited and anr. (To 4th April 1939).

21887. Thompson and ors. (To 11th June 1939).

Cessation of Patents.

17637. Imperator Hestesko A/S.

20447. Cheney.

20451. The P. & M. Co. (England), Ld.

20458. Saint-Jacques.

20459. Kerasin, Ld.

20460. Reckmeier.

20462. Syed Arifuddeen.

21371. Reckmeier.

21372. Reckmeier.

Restoration Proceedings.

Notice is hereby given that an order was made on the 17th March 1938, restoring the patent granted to Kumarish Chandra Das, for an invention for "Improved ant preventive apparatus", numbered 16960 and dated as of the 5th May 1930.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets:—

Class 1. No. 62547. Husain Baksh, of Badala Johar, District Amritsar, (The Punjab). September 16, 1937.

Class 13. Nos. 63068 to 63070. Toyo Menka Kaisha, Ld., of No. 5, Royal Exchange Place, Calcutta, British India, February 18, 1938.

Class 13. Nos. 63126 to 63129. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. 1938.

Class 14. No. 63130. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. March 3, March 3, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 4. No. 34435. Byron & Co., of 4-B., Chowringhee Road, Calcutta, and Branches at 39, Dhurrumtolla Street, Calcutta, and 3, Cullen Place, Howrah, British India. July 3, 1928.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). .	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

Calcutta, the 17th March 1938.

Portions of the following note of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Case No.	Number of Note.	Value.	Name and address of the applicant.
		Rs.	
W.D. 7 of 1938.	S/36-448054	100	Nani Lall Burdhan, 19, Malanga Lane, Calcutta.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

S. GUPTA,

Currency Officer.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for December 1937.

(In lakhs of Rupees.)

—	For December. 1936-37.	For December. 1937-38.	To end of December. 1936-37.	To end of December. 1937-38.	Whole year. Accounts, 1936-37.	Whole year. Revised, 1937-38.
Revenue.						
Customs	} 4,04	3,66	} 35,54	33,00	} 46,85	43,93
Central Excise Duties		59		5,98		7,74
Corporation Tax	} 1,22	10	} 8,55	40	} 13,87	1,50
Taxes on Income other than Corporation Tax		1,41		8,89		12,1[illegible]
Salt	73	65	6,22	6,11	8,38	8,3[illegible]
Opium	6	5	43	45	48	4[illegible]
Railways—						
Gross receipts	9,05	8,70	69,68	73,22	97,32	99,8[illegible]
Deduct—Working Expenses	*4,78*	*5,33*	*46,77*	*47,87*	*63,40*	*64,8[illegible]*
Surplus Profits	..	*1*	*36*	*48*	*42*	*5[illegible]*
Payments to Worked Lines	*32*	*28*	*2,10*	*2,14*	*3,02*	*3,0[illegible]*
Net receipts	3,95	3,08	20,45	22,73	30,48	[illegible]
Subsidised Companies	4	..	11	6	16	[illegible]
Miscellaneous Railway Receipts	1	—3	8	7	86	1,1[illegible]
Posts and Telegraphs—Net receipts	15	24	11	50	88	1,1[illegible]
Other heads	30	33	2,74	2,55	5,43	9,2[illegible]
Total	10,50	10,08	74,23	80,74	1,07,39	1,17,2[illegible]
Expenditure.						
Railway Revenue Account—						
Interest and other charges	9	5	9,34	9,26	31,50	29,9[illegible]
Interest on Debt—Gross	1,82	1,62	27,75	27,32	35,90	35,3[illegible]
Deduct—Amount chargeable to—						
Railways	..	..	*8,18*	*8,08*	*29,62*	*28,06*
Irrigation	..	..	..	..	*8*	*8*
Posts and Telegraphs	..	..	..	..	*79*	*7[illegible]*
Commutation of Pensions	..	..	..	..	*23*	*24*
Salt and other Commercial Departments	..	..	..	..	*8*	*7*
Provincial Loans Fund	..	..	..	..	*7,97*	..
Provincial Governments	..	*8*	..	*1,05*	..	*4,9[illegible]*
Net charges	1,82	1,54	19,57	18.19	—2,87	1,2[illegible]
Defence Services (Net)	3,82	4,56	31,57	35,34	44.62	47,2[illegible]
Other heads	1,78	2,28	18,26	20,74	40,28	38,9[illegible]
Total	7,51	8,43	78,74	83,53	1,13,53	1,[illegible]
Expenditure not charged to Revenue	18	6	3,56	4,29	2,86	2,9[illegible]
Debt Heads—						
Permanent Debt (Net) India	—1	—3	+11,73	—15	+11,70	+9[illegible]
Ditto England	..	—7	—24,50	—6,00	—25,24	—6,8[illegible]
Treasury Bills (Net) India	—80	—4	+9,57	+10,63	—3,59	+6,0[illegible]
Ditto England	..	..	..	..	..	..
Ways and Means Advances (Net) India	..	+1,00	..	+2,00	..	..
Ditto England	..	..	..	..	..	..
Provincial Transactions (Net)	—1,80	..	—12,58	..	—2,24	..
Other Debt Head Transactions (Net)	+3	—63	+14,18	—18	+30,11	+3,6[illegible]
Total	—2,58	+23	—1,60	+6,30	+ 10,74	+3,7[illegible]
Total Transactions	+23	+1,82	—9,67	—78	+1,74	+7[illegible]
Revenue less expenditure in Burma not included in the figures in columns 1936-37.	+63	..	+4,23	..	+4,35	..
Opening Balance	8,97	6,03	15,27	8,63	15,27	(a) 8,6[illegible]
Closing Balance	9,83	7,85	9,83	7,85	21,36	9,4[illegible]

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England a[illegible] India respectively cancel each other.

(a) Excludes 12,72 lakhs on account of transfer of balances to Provinces, Burma and Aden.

NEW DELHI;

Dated the 17th March 1938.

P. G. SHAH,

Accountant General, Central Revenue[illegible]

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

New Delhi, the 19th March 1938.

The following is a statement of the cash balances of the Central and the Provincial Governments on the last day of February 1938 :—

	Rs.
(1) At the Reserve Bank of India in India	14,74,28,000
(2) At treasuries in India . . .	1,22,55,000
(3) In England (Sterling converted at 18*d.* the Rupee) . . .	72,87,000
TOTAL .	16,69,70,000

P. G. SHAH,
Accountant General, Central Revenues.

OFFICE OF THE ACCOUNTANT GENERAL, POSTS AND TELEGRAPHS.

New Delhi, the 20th March 1938.

Statement showing the amounts realised and paid in each of the Postal Circles on account of Post Office 5-Year Cash Certificates, during January 1938, and the amounts outstanding at the end of the month.

[In thousands of rupees.]

Name of Postal Circle.	Cash realised from sales.	Amount repaid. Principal.	Amount of Principal outstanding.
	Rs.	Rs.	Rs.
Bengal and Assam .	19,58	22,90	11,28,88
Bihar and Orissa .	4,26	4,90	2,29,94
Bombay . .	26,42	32,86	16,36,01
Central . . .	8,24	8,08	4,21,71
Sind and Baluchistan	4,94	5,20	2,63,29
Punjab and N.-W. F.	17,54	21,32	11,22.88
United Provinces	14,77	14,50	3,39,58
Madras . . .	5,32	6,88	3,09,65
Burma . . .	..	2,85	1,24,81
TOTAL JAN. 1938 .	1,01,07	1,19,49	60,76,75
TOTAL JAN. 1937 .	98,98	1,19,58	65,17,81
TOTAL JAN. 1936 .	1,37,32	1,45,91	66,26,38

K. R. S. RAU,
Accountant General, Posts and Telegraphs.

IMPERIAL BANK OF INDIA.

NOTICE.

Calcutta, the 22nd March 1938.

The following appointment on the Bank's staff is hereby notified :—

Mr. H. J. Hunter to officiate as Superintendent of Branches, Bombay Circle, as from the 19th March 1938, *vice* Mr. N. G. Irvine.

W. LAMOND,
Managing Director.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATIONS.

Calcutta, the 18th March 1938.

No. 1629.—Mr. R. N. Hastir, Extra Assistant Superintendent, is granted under the Fundamental Rules leave on average pay for 4 months and on half average pay for 1 month and 24 days from the 4th April 1938 and is permitted to prefix Sunday, the 3rd April and to affix the Pujah holidays from the 28th September to 8th October and Sunday, the 9th October 1938 to his leave.

Calcutta, the 22nd March 1938.

No. 1630.—Mr. C. P. E. Davenport, Extra Assistant Superintendent is granted under the Fundamental Rules leave on average pay for 4 months from the 1st May 1938 or date of availing.

C. G. LEWIS,
Brigadier,
Surveyor General of India.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATION.

P. O. New Forest (Dehra Dun), the 19th March 1938.

No. 373.—Consequent on the grant of leave to Mr. S. Ramaswami, Assistant Minor Forest Products Officer, in this office Notification No. 179, dated the 26th February 1938, Mr. K. N. Ayyar, B.Sc., is appointed, with effect from the forenoon of the 14th March, 1938, to officiate as Assistant Minor Forest Products Officer, Forest Research Institute, Dehra Dun.

L. MASON,
Inspector General of Forests.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 26th March 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

IMPERIAL VETERINARY RESEARCH INSTITUTE, MUKTESWAR.

NOTIFICATION.

Mukteswar-Kumaun, U. P., the 21st March 1938.

No. C./298.—In continuation of this office Notification No. C./57, dated the 19th January 1938, Mr. P. C. Banerji, Veterinary Deputy Superintendent, Imperial Veterinary Research Institute, Mukteswar, is granted an extension of leave on average pay for 22 days from the 12th March 1938 to the 2nd April 1938 with permission to affix Sunday, the 3rd April 1938.

Mr. J. A. Idnani, G.B.V.C., will continue to officiate as Veterinary Deputy Superintendent, Mukteswar, *vice* Mr. P. C. Banerji.

F. WARE,
Director,
Imperial Veterinary Research Institute.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI.

NOTIFICATION.

New Delhi, the 22nd March 1938.

No. 2256.—Dr. E. K. Janaki Ammal, Sugarcane Geneticist, Coimbatore, is granted leave for 30 days from the 10th March 1938.

B. VISWA NATH,
Director.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT

NOTIFICATION.

New Delhi, the 19th March 1938.

No. S.-80/1.—Major E. M. Ricketts, Postmaster, Grade A, is appointed to officiate as Postmaster, Poona, *vice* Mr. S. P. Joshi, with effect from the 1st March 1938 and until further orders.

G. V. BEWOOR,
Director General of Posts and Telegraphs.

GOVERNMENT OF MADRAS.

Public Works Department.

KISTNA EASTERN DIVISION.

NOTIFICATION.

The 26th March 1938.

It is notified that the following unendowed tombs in Saint John Cemetery at Bandar Fort, require repairs badly and in some cases the inscribed slabs are likely to fall out of place. In order to keep the tombs in good order and as required by paragraph 3 of G. O. No. 6-Finance, dated the 4th February 1931, the relatives and friends of the deceased are hereby informed of the urgent necessity to finance the repairs of the tombs in question within three months from the date of notification, sending their communications to this office :—

List of Unendowed Tombs in St. John Cemetery at Bandar Fort.

Serial No. of tombs.	Description given on each tomb.
7	No name or description.
8	Do.
9	Do.
12	Sacred to the memory of Charlotti the beloved wife of Colonel T. King who departed this life on the 13th October 1833, Sunday 4 a. m. Aged 25 years and 1 month. How loved how valued once avails though to whom related or by whom became a heap of dust alone remain longer. It is all thou art and all proud still.
20	Sacred to the memory of Elizabeth Huges the beloved wife of Late Seb Hiant Hugh Hughes who departed this life on the 24th December 1830. Aged 58 years.
21	No name or description.
28	George the Infan Esq., of Mr. Hugkin-son. Born November 26th, 1811, died 18th January 1812.
41	No name or description.
42	Do.
47	Do.
72	Do.
80	Do.
82	Do.
90	Do.
92	Do.
93	Do.
94	Do.
103	Do.
104	Children come to me and forbid them not, etc. Here lyeth the body of Sarah Newberry, who departed this life the 22nd day of May 1790, aged 4 years and 3 months.
107	No name or description.
110	Do.
112	Do.
113	Do.
117	Do.
118	Do.
128	Sacred to the memory of Frederic Loset Van Ingen beloved son of Whilunmina M. Van Ingen who departed this life at Masulipatam on the 7th February 1864, aged 26 years, 8 months and 22 days.

N. J. JOSEPH,

Executive Engineer,

Kistna Eastern Division, Bezwada.

The 28th November 1937.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 22nd March 1938.

No. 216-An.—Mr. I. D. Abbey, Deputy Assistant Controller of Military Accounts, has been granted a further extension of privilege leave for 14 days with effect from the forenoon of the 6th March 1938 in continuation of the leave granted to him in this Department Notification No. 211-An., dated the 7th March 1938. He is also permitted to affix Sunday, the 20th March 1938 to this leave.

No. 217-An.—Mr. B. Bose, an officiating Deputy Assistant Controller of Army Factory Accounts in the office of the Controller of Army Factory Accounts reverted to his substantive grade with effect from the afternoon of the 12th March 1938. He was re-appointed to officiate as a Deputy Assistant Controller of Army Factory Accounts in that office with effect from the forenoon of the 16th March 1938.

No. 218-An.—Major R. Smallwood, Assistant Controller of Military Accounts, Northern Command, is granted combined leave *ex*-India with effect from the 24th March 1938 for seven months and 10 days consisting of privilege leave for 2 months and 13 days and the balance furlough on full average salary.

M. R. COBURN,

Military Accountant General.

OFFICE OF THE COLLECTOR OF SALT REVENUE, MADRAS.

NOTIFICATION.

Custom House, Madras, the 17th March 1938.

C. No. 694-B.II-Salt/38.—In exercise of the powers conferred by section 7 of the Madras Salt Act, 1889 (Madras Act IV of 1889), and in supersession of all previous notifications issued from time to time under the said section, the Collector of Salt Revenue, Madras, with the sanction of the Central Board of Revenue, Authorizes the Assistant Commissioners of Salt Revenue mentioned in the first column of the annexed schedule to exercise, with effect from 1st April 1938, the powers conferred on them by the said Act within the area of jurisdiction described against each in the second column thereof.

Schedule.

Assistant Commissioner. (1)	Area of Jurisdiction. (2)
Assistant Commissioner, Northern Division.	(i) *Orissa Province* :— The whole of the Ganjam District and so much of the Parlakimidi Estate as was transferred from the Presidency of Madras to the Province of Orissa by the Government of India (Constitution of Orissa) Order, 1936. (ii) *Madras Province* :— The Districts of Vizagapatam, East and West Godavari, Kistna, Guntur, Cuddapah, Kurnool, Bellary, Anantapur and the area comprised within the Magisterial jurisdictions of the Deputy Tahsildar Sub-Magistrates of Podili and Darsi in the Nellore District.
Assistant Commissioner, Central Division.	The remaining portion of the Nellore District not included in the Northern Division, the Dsitricts of Chingleput, Madras, Chittoor, North Arcot, Salem, Coimbatore, the Nilgiris, Malabar, South Kanara and Trichinopoly and the Villupuram, Gingee and Trindivanam Taluks of the South Arcot District.
Assistant Commissioner, Southern Division.	The remaining portion of the South Arcot District not included in the Central Division and the Districts of Tanjore, Madura, Ramnad and Tinnevelly.

H. GREENFIELD,

Collector.

DIRECTOR-GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATION.

New Delhi, the 18th March 1938.

No. F.-10-1/38-21-P.—Lieut.-Colonel R. Sweet, D.S.O., I.M.S., Officer-in-Charge, Medical Store Depot, Bombay is granted 6 months combined leave *ex*-India with effect from the 5th February 1938, the first two months being privilege leave and the rest on medical certificate.

First Class Assistant Surgeon C. H. W. Windsor, M.B.E., I.M.D., acting Manager, Medical Store Depot, Bombay is appointed to hold charge of the Depot with effect from the 5th February (forenoon) in addition to his own duties.

Major W. T. Taylor, I.M.S., on transfer to the Medical Store Department, is posted as Officer-in-Charge, Medical Store Depot, Bombay and received charge from First Class Assistant Surgeon C. H. W. Windsor, M.B.E., I.M.D., on the forenoon of the 7th March 1938.

E. W. C. BRADFIELD,

Major-General, I.M.S.,

Director-General, I. M. S.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 18th March 1938.

No. O. P. E.-418-P.-5.—Mr. A. F. A. Blewitt, Assistant Superintendent (Lower Gazetted Service), Transportation (Traffic) and Commercial Department, has been granted 115 days' privilege leave combined with 4 months and 7 days' furlough on full pay *plus* 2 months' furlough on half pay out of India, with effect from the 25th March 1938 or subsequent date of relief.

Calcutta, the 19th March 1938.

No. S./E./7.—Mr. J. Liddell, District Controller of Stores, has been granted 118 days privilege leave combined with 2 months and 14 days furlough on half pay out of India with effect from the 14th April 1938 or subsequent date of relief.

No. E. P.-488.—Mr. R. J. Earle, Assistant Executive Engineer, has been granted 6 months, leave on average pay *plus* 2 months leave on half average pay with effect from the forenoon of 7th April 1938 or subsequent date of relief.

Calcutta, the 22nd March 1938.

No. E. P.-426.—Mr. L. V. Pereira, Executive Engineer, was granted one month's privilege leave in India with effect from the 14th January 1938. This is in supersession of Notification No. E. P.-426, dated the 7th January 1938, published in the Gazette of India, Part II, dated the 15th January 1938.

J. A. BELL,

Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 22nd March, 1938.

No. 9.—Mr. D. C. Baijal, Assistant Executive Engineer, is granted leave on average pay for 3 months and 15 days with effect from the 1st April 1938 or subsequent date of relief.

E. L. MANLEY,

Chief Engineer.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, APRIL 9, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 23rd October 1937.

On and after the 30th October 1937 and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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	Including packing and Indian postage. Rs.	A.	P.	Additional postage for supplies out of India. Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III . .	35	0	0	12	0	0
Parts I, II and III . .	25	0	0	8	8	0
Parts I, II, III, IV, V, & Supplement	37	0	0	11	8	0
Parts I, II and Supplement . .	31	0	0	8	8	0
Parts I and II-A . . .	26	0	0	7	8	0
Parts I, II-A and IV . . .	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement .	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

	Including packing and Indian postage. Rs.	A.	P.	Additional postage for supplies out of India. Rs.	A.	P.
Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 9th April 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

March 26, 1938.

25071. The Superheater Co. Ld. Improvements in steam superheaters for locomotive and like smoke tube boilers.

25072. Y. Asahina. Process for preparing a new tetralin derivative.

25073. Y. Asahina. Process for preparing derivatives of tetralylquinol.

25074. Naamlooze Vennootschap Organon. Improvements in or relating to the manufacture of derivatives of pregnenedione. [Addition to No. 25064.]

25075. Lal Chand. Improvements in or relating to reciprocating pumps. [Addition to No. 22947.]

25076. S. R. Angirah. An improved water lifting arrangement and means for utilising the raised water.

March 28.

25077. I. G. Farbenindustrie Aktiengesellschaft Manufacture of amino-substituted arsenobenzene-formaldehyde-bisulphite compounds. (April 23, 1937).

25078. H. H. Wilkes and C. Whatmuff. Composition of matter and articles produced therefrom by casting, moulding or the like, and which is applicable to various surfaces for decorative and other purposes.

25079. Glareless Lamps Ld. Improvements in or relating to electrical systems. (June 18, 1937).

25080. Societe D'Electrochimie D'Electrometallurgie Et Des Acieries Electriques D'Ugine. Improvements in or relating to metallurgical process.

25081. M. J. Udy. Process for making chromium-iron or steel alloys and compositions for use in said process.

25082. M. J. Udy. Process for making chromium-iron or steel alloys and compositions for use in said process.

25083. E. C. Peters and D. C. Peters. Improvements in nuts.

March 30.

25084. John Thompson (Kennicott Water Softeners) Ld. Apparatus for delivering fluids into water or the like flowing through a mains or feed pipe. (April 9, 1937).

25085. F. B. Ashton-Hockly. Device for manipulating or working a pivoted ventilator shutter. (May 24, 1937).

25086. S. C. Ghosh. Improved oven for baking bread and the like.

25087. The General Electric Co. Ld. Improvements in translucent refractory materials. (March 31, 1937).

25088. J. Brandwood. Improvements in or relating to the production of textile "ply" yarns or threads. (March 30, 1937).

25089. The Metal Box Co. Ld. Improvements in or relating to cans, canisters and like containers closured by a disc of cardboard or the like. (April 21, 1937).

25090. T. M. Kinnear. Improvements in and relating to the method of and apparatus for treating and manufacturing "smudge" smoke or vapour for use on aerodromes and other similar purposes. (June 25, 1937).

25091. H. R. Ricardo. Improvements in or relating to internal combustion engines of the liquid fuel injection compression ignition type. (April 8, 1937).

April 1.

25092. James Mills and Co. (Engineers) Ld., and J. F. Bolton. Method of and apparatus for collecting and conveying sludge in connection with sewage plant. (April 2, 1937).

25093. G. Ciocca. Improvements in guide roadways for vehicles and in vehicles therefor.

Alteration of Date.

24963. Ante-dated 2nd April 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23829. Davidson and Co. Ld. Improvements in machines for drying tea leaf or the like. (December 17, 1936). *Rotary inlet valve constituting an air lock between interior and exterior of drying chamber.*

23836. The General Electric Co. Ld. Improvements in or relating to electric discharge lamps. (March 27, 1936). *Separate starting and running electrodes for lamp of high brightness.*

23837. K. Cookson. Improvements in or relating to waterheating and distilling apparatus. (March 27, 1936). *Condenser arranged above storage vessel both being detachable from the boiler as a unit.*

23839. F. Singer. Improvements relating to chairs, tables, bedsteads and like articles of furniture. *Angular load-carrying members are formed of layers of wood, the grain of wood in one layer being at right angles to that in another and individual layers are vertical.*

23902. Shalimar Paint, Colour & Varnish Co., Ld. Improvements in or relating to containers for paint and for other commodities. [Addition to No. 23903]. *Stopper forming the upper end of the inner container forms only a portion of the top of the outer container.*

23903. Shalimar Paint, Colour & Varnish Co., Ld. Improvements in and relating to containers for paint or other ingredients. *Inner container fixable to the inside of the lid of the outer container completely surrounding the inner one.*

24202. Filter Tips, Ld. Improvements in or relating to cigarettes. (July 9, 1936). *Wrapping of the uniting band effected by members on a drum reciprocatable in a plane perpendicular to or intersecting the drum periphery.*

24338. Gerrard Industries, Limited. Improvements in and relating to wire-tying apparatus for baling, packing and the like. *Twisted together by the operation of two manual levers simultaneously rocked in opposite directions.*

24411. H. A. DePenning. Improvements in or relating to the manufacture of paper or like receptacles or containers. *Tubular member having a circular hole for performing a receptacle body and supporting the latter during the securing of end closure disc.*

24424. S. C. Bhattacharyya. Improved differential pump. *Main and differential piston joined together through hollow tube.*

24451. O. M. Ebell, and Couzin & Attwood Proprietary Limited. Improvements in chassis for tipping trucks. *Post welded to the single straight tubular longitudinal member carrying a saddle for supporting the tipping body.*

24476. The American Rolling Mill Company. Process and mechanism for rolling endless lengths of metal in reversible mills. *Taking up and paying out the segregated portion of the supply on either side of the mill as being rolled forwardly and backwardly.*

24649. Civil Protection Ld. Improvements relating to gas-dispersing grenades, cartridges and the like. (November 30, 1936). *Zinc oxide used as a stabiliser.*

24654. A. G. Kershaw and Westinghouse Brake & Signal Co. Ld. Improvements relating to electrical relay devices and the like. (January 7, 1937). *Rotation of terminal board disengages contacts from the relay.*

24725. The Franco-British Electrical Co. Ld., and A. H. Brackensey. Improvements in or relating to the control of electric discharge tubes. (February 5, 1937). *Voltage across the tube is periodically boosted.*

24736. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to electron discharge tubes. *An electron emissive surface, a remote collector electrode and electrode means for establishing an electron lens between the two.*

24963. I. G. Farbenindustrie Aktiengesellschaft. Process for the manufacture of pyrimidine compounds. (May 19, 1936). [Addition to No. 23847]. [Ante-dated April 2, 1937]. *2 alkyl 4 amino 5 aminoalkyl pyrimidines by condensing acetic acid nitrile compounds with an amidine of an alkyl carboxylic acid.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each:—

23361. Paterson.
23372. Knowles Ld.
23717. Johnston.
23725. Stronach.
23732. The British Tabulating Machine Co., Ld.
23758. E. I. Du Pont De Nemours and Co.
23847. I. G. Farbenindustrie Aktiengesellschaft.
23879. Woodward.
23913. Morley.
23915. Laird.
23972. Latif.
24111. Elastic Stop Nut Corporation.
24218. Stewarts & Lloyds Ld.
24245. Ghose.
24247. Dhanji.
24262. N. V. Montan Export.
24342. Dr. David.
24347. Honnef.
24388. Renck.
24408. Aagaard.
24413. Dr. Röhm.
24423. Hoffmann.
24459. Mehta and Jolly.
24 2. Saunders and Coveney.
24471. I. G. Farbenindustrie Aktiengesellschaft.
24500. Naik and Shirgaokar.
24548. Corning Glass Works.
24607. The General Electric Co. Ld.
24612. Dr. C. Otto & Comp. G.m.b.H.
24616. Gresham & Craven, Ld.
24621. Society of Chemical Industry in Basle.
24625. The American Rolling Mill Co.
24633. Monro.
24642. Bernier.
24663. Pilkington Brothers, Ld.
24671. Ruhrchemie Aktiengesellschaft.
24679. Universal Oil Products Co.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23416. Altman.
23426. Marconi's Wireless Telegraph Co. Ld.
23432. Lambert.
23435. Astbury and Chibnall.
23457. Siganporia.
23463. The American Rolling Mill Co.
23470. Mani.
23496. Ungor.
23507. Kleentainers (British and Overseas) Ld.
23612. Baier.
23936. The General Electric Co. Ld.
23940. Koppers Co.
23951. Chocksee.
23965. Mohr.
24012. Le F. Varvel.
24096. Dunlop Rubber Co. (India), Ld.
24101. Imber.
24115. Saxby & Farmer (India), Ld.
24254. General Railway Signal Co. Ld.
24287. J. B. Norton & Sons Ld.
24293. Schwartz and Chavannes.
24294. Schwartz and Chavannes.
24298. Universal Oil Products Co.
24327. E. I. du Pont de Nemours and Company, and Westbrook.
24333. Universal Oil Products Company.
24364. The General Electric Company, Limited.
24624. The General Electric Co. Ld.

Patents Sealed.

22724. Lock Joint Pipe Co.
23365. Turner & Newall Ld.
23473. Davis.
23579. Aluminum Co. of America.
23912. Henroteau.
23942. Telefunken Gesellschaft fur Drahtlose Telegraphie m.b.H.
24097. Burman.
24177. Crompton Parkinson Ld.
24203. Nicholls.
24210. Ruhrchemie Aktiengesellschaft.
24217. Grauert.
24253. Metropolitan-Vickers Electrical Co. Ld.
24260. Marconi's Wireless Telegraph Co. Ld.
24279. Marsh.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

Nos. 16069 and 16449. Chemical Reactions Ld.
Nos. 22702 and 22703. Frederic August Brinker.

Renewal Fees Paid.

PATENTS.

9233. Durand & Huguenin Societe Anonyme. (To 23rd April 1939.)
12370. Marconi's Wireless Telegraph Co. Ld. (To 29th June 1939).
12385. Bramwell. (To 28th June 1939).
13150. Coggans. (To 11th April 1939).
14453. Mauterer. (To 5th June 1939).
14715. L'Auxiliaire Des Chemins De Fer Et De L'Industrie. (To 20th August 1939).
14766. Babcock & Wilcox Ld. (To 10th May 1939).
15261. Ruml and anr. (To 7th July 1939).
15464. Ring Springs Ld. (To 21st April 1939).
15465. Ring Springs Ld. (To 21st April 1939).
15874. N. V. Midden-Europeesche Octrooimaatschappij. (To 11th June 1939).
15930. Gas Accumulator Co. (United Kingdom) Ld., and anr. (To 4th August 1938).
16121. L'Auxiliaire Des Chemins De Fer Et De L'Industrie. (To 8th August 1939).
16642. Scottish Dyes Ld. (To 8th February 1939)
16776. Scottish Dyes Ld. (To 7th March 1939).
17084. The General Electric Co. Ld. (To 2nd May 1939).
17260. Standard Oil Development Co. (To 20th May 1939).
17285. The General Electric Co. Ld. (To 24th June 1939).
17919. Maya Das and anr. (To 1st April 1939).
17936. Societe D'Exploitation Des Procedes Dabeg. (To 8th April 1939).
18073. McIntyre. (To 25th May 1939).
18081. Robert Stephenson & Co. Ld., and anr. (To 3rd July 1939).
18160. Marconi's Wireless Telegraph Co. Ld. (To 29th June 1939).
18183. The General Electric Co. Ld. (To 4th June 1939).
18184. The General Electric Co. Ld. (To 9th June 1939).
18261. The General Electric Co. Ld. (To 30th June 1939).
18902. Sivakamaiah. (To 23rd April 1939).
19728. Longdens and anr. (To 17th March 1939).
19809. Paterson. (To 11th April 1939).
19840. Paterson. (To 21st April 1939).
19841. Paterson. (To 21st April 1939).
19909. The General Electric Co. Ld. (To 7th June 1939).
19964. Tremain. (To 2nd June 1939).
20061. The General Electric Co. Ld. (To 31st May 1939).
20485. Aitken. (To 2nd January 1939).
20750. Lindsay. (To 3rd April 1939).
20755. Societe E'Electrochimie D'Electrometallurgie Et Des Acieries Electriques D'Ugine. (To 4th April 1939).
20772. Muller. (To 9th April 1939).
20789. The General Electric Co. Ld. (To 22nd May 1939).
20790. The General Electric Co. Ld. (To 22nd May 1939).
20809. The General Electric Co. Ld. (To 24th May 1939).
20818. Pavri. (To 30th April 1940).
20849. Southall Bros. & Barclay Ld., and anr. (To 7th May 1939).
20979. The Bengal Iron Co. Ld. (To 30th June 1939).

21023. The Mining Engineering Co. Ld., and anr. (To 16th July 1939).
21051. Erren. (To 28th May 1939).
21749. Aitken. (To 2nd January 1939).
21819. The General Electric Co. Ld. (To 11th May 1939).
21904. The General Electric Co. Ld. (To 27th June 1939).
21974. The General Electric Co. Ld. (To 29th June 1939).

Cessation of Patents.

20479. Ryan.

20482. The General Electric Co. Ld.

Restoration Proceedings.

Notice is hereby given that an order was made on the 1st April 1938, restoring the patent granted to Gas Accumulator Company (United Kingdom) Limited and G. Goodwin for an invention for "Improvements in or relating to means for controlling the flow of a gas, with special reference to lighthouse illumination", numbered 15930, and dated as of the 4th August 1928.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 13. Nos. 63182 to 63191 and 63194 to 63207. Toyo Menka Kaisha Ld., of No. 5 Royal Exchange Place, Calcutta, British India. March 22, 1938.

Class 13. Nos. 63210 and 63211. The Khatau Makanji Spinning & Weaving Co. Ld., of Laxmi Building, Ballard Pier, Fort, Bombay, British India. March 24, 1938.

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(1)

Provisional subject-matter index for the quarter ending 31st March 1938.

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(2)

Name-index of applicants for patents during the quarter ending 31st March 1938.

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NOTICES.

THE PATENT OFFICE, 1 COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.

LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON . (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

Calcutta, the 30th March 1938.

Portions of the following notes of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of their value has been received from the person whose name is shown against the numbers. Any other person who considers himself as having a right to them is warned to communicate at once with the undersigned.

Case No.	Number of Notes	Value.	Name and address of the applicant.
W.D. 9 of 1938.	T/33-987660 T/33-987661 T/33-987662 T/34-016141	For Rs. 100 each.	Jagnarain Rai, 5/3, Prionath Mukherjee Road, Calcutta.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

S. GUPTA,

Currency Officer.

Bombay, the 4th April 1938.

Portions of the following notes of the Bombay Office of Issue are stated to have been destroyed, and payment of their value has been claimed by the persons whose names are placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Notes.	Value.	Name of claimant.
		Rs.	
D.-7 of 1938 .	S/84-204199	100	Messrs. Chunilal Fulchand, Kadi Kasba, District Mandaleshwar.
D-8 of 1938 .	T/8-153402 T/11-402246 T/11-875959	100 100 100	Mr. Sayed Murtujamiya Mohomedmia, Unava, Tal. Sidhpur, North Gujrat.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, BOMBAY.

V. G. DESHMUKH,

Currency Officer.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 4th/5th April 1938.

No. 11.—1. Messrs. A. K. Banerjee and Gopi Lall are appointed to act respectively as Senior and Junior Superintendent, Reserve Bank of India, Issue Department, Lahore, with effect from the 25th March 1938, consequent on Mr. Ganga Bishen having proceeded on leave.

2. Mr. S. A. Rahim is appointed as Accountant, Reserve Bank of India, Public Debt Office, Calcutta, with effect from the close of business on the 28th March 1938, *vice* Mr. F. H. Godwin.

MANILAL B. NANAVATI,

Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Bombay, the 4th April 1938.

The following appointment on the Bank's Staff is hereby notified:—

Mr. A. W. Cameron, to officiate as Deputy Secretary and Treasurer, Bengal Circle, as from the close of business on the 30th March 1938, *vice* Mr. H. J. Fitz-Patrick.

W. LAMOND,

Managing Director.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Return of the Rupee Debt of the Central Government of India for 31st January 1938.

[Thousands of Rupees.

PUBLIC DEBT BEARING INTEREST.

Particulars.	Date of issue.	Conditions of Repayment.	Amount outstanding.	TOTAL.
			Rs.	Rs.
TREASURY BILLS .	..	....	42,08,75	
WAYS AND MEANS ADVANCES.	..	....	..	
POST OFFICE CASH CERTIFICATES.	..	....	60,76,73	
POST OFFICE SAVINGS BANK DEPOSITS.	..	....	78,73,27	
PROVIDENT FUNDS AND OTHER UNFUNDED DEBT.	..	....	94,77,40	2,76,36,15
TERMINABLE LOANS—				
5½% Loan, 1938-40 .	1st Oct. 1932 .	On or before 1st October 1940, but not preceding 1st October 1938, with three months' previous notice.	19,13,90	
Loan, 1939-44 .	15th July 1929	On or before 15th July 1944, but not preceding 15th July 1939, with three months' previous notice.	27,78,12	
5% Loan, 1940-43 .	1st Oct. 1932 .	On or before 1st October 1943, but not preceding 1st October 1940, with three months' previous notice.	25,18,48	
3% Bonds, 1941 . .	15th Sept. 1934	On 15th September 1941 .	10,67,32	
4% Bonds, 1943 . .	1st Feb. 1933 .	On 1st August 1943 . .	14,97,18	
5% Income Tax Free Loan, 1945-55.	15th Oct. 1919	On or before 15th October 1955, but not preceding 15th October 1945, with three months' previous notice.	56,74,94	
% Loan, 1947-50 .	15th May 1933	On or before 15th November 1950, but not preceding 15th November 1947, with three months' previous notice.	55,94,37	
% Loan, 1948-52 .	1st June 1936 .	On or before 1st June 1952, but not preceding 1st June 1948, with three months' previous notice.	12,01,28	
% Loan, 1951-54 .	15th Sept. 1935	On or before 15th September 1954, but not preceding 15th September 1951, with three months' previous notice.	15,12,85	
Loan, 1955-60	15th Sept. 1928	On or before 15th September 1960, but not preceding 15th September 1955, with three months' previous notice.	9,05,70	
% Loan, 1960-70 .	15th Sept. 1926	On or before 15th September 1970, but not preceding 15th September 1960, with three months' previous notice.	63,30,26	3,09,94,40
NON-TERMINABLE LOANS—				
THREE AND HALF PER CENT.—				
1842-43 . . .	1st Feb. 1843 .	At the option of the Government of India after three months' notice.	23,78,11	
1854-55 . . .	30th June 1854	Ditto . . .	20,81,18	
" coupon (a) .	..	Ditto . . .	5,60	
1865 . . .	1st May 1865 .	Ditto . . .	38,50,23	
Reduced, 1879. .	16th Jan. 1879.	Ditto . . .	2,71,59	
1900-01 . . .	30th June 1900	Ditto . . .	36,35,41	1,22,22,12
THREE PER CENT.—				
1896-97 . . .	22nd July 1896	Ditto . . .	2,91,54	2,91,54
RAILWAY LOANS—				
Maharaja Holkar, 4½ p. c.	(1870-77). .	After 101 years . . .	70,00	
Maharaja Scindia, 4 p. c.	..	..	1,50,00	2,20,00
		TOTAL .		7,13,64,21*

PUBLIC DEBT NOT BEARING INTEREST.

Particulars.	Date of discharge.	Amount.
		Rs.
5½% War Bonds, 1920.	15th Aug. 1920.	2,87
5½% War Bonds, 1921.	15th Sept. 1921.	2,54
5½% War Bonds, 1922.	15th Aug. 1922.	1,81
5½% War Bonds, 1923.	15th Sept. 1923.	48
4% Terminable Loan of 1915-16.	30th Nov. 1923.	25
5½% War Bonds, 1925.	15th Sept. 1925.	17
6% Bonds, 1926.	15th Sept. 1926.	93
6% Bonds, 1927.	1st Oct. 1927.	1,55
5½% War Bonds, 1928.	15th Sept. 1928.	1,35
6% Bonds, 1930.	15th Aug. 1930.	3,77
6% Bonds, 1931.	15th Sept. 1931.	27
6% Bonds, 1932.	1st Oct. 1932.	1,27
5% War Loan, 1929-47.	15th May 1933.	4,30
4% Conversion Loan of 1916-17.	1st July 1933.	64
6% Bonds, 1933-36.	15th Aug. 1933.	3,38
5% Bonds, 1933.	1st Sept. 1933.	1,98
4% Loan, 1934-37.	16th Aug. 1934.	2,65
4½% Bonds, 1934.	15th Sept. 1934.	2,11
5% Bonds, 1935.	15th Sept. 1935.	1,92
6½% Treasury Bonds, 1935.	15th Sept. 1935.	8,73
TOTAL .		42,97

(a) Issued in London in conversion of the 4½ per cent. Loan.
* Amount held in London is 7,64,59.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES,
New Delhi, the 1st April 1938.

P. G. SHAH,
Accountant General, Central Revenues.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M. Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 9th April 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 4th April 1938.

No. 1632.—Mr. M. R. Nair, Extra-Assistant Superintendent, is granted under the Fundamental Rules leave on average pay for 2 months, with effect from the 10th May 1938 or date of availing.

J. G. LEWIS, Brigadier,

Surveyor General of India.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATION.

New Delhi, the 5th April 1938.

No. 0384-E./01869-E.—Mr. H. P. Chatterji, is appointed on six months' probation, with effect from the 2nd February 1938 to the temporary post of Assistant Electrical Engineer in the Central Public Works Department sanctioned by the Government of India in the late Industries and Labour Department letter No. E.-33, dated 15th May 1937.

A. BREBNER,

Chief Engineer.

DEPARTMENT OF EXPLOSIVES.

NOTIFICATION.

Calcutta, the 1st April 1938.

No. G.-15 (7) 15.—On return from leave out of India Dr. M. K. Maitra, Ph.D. (London), D.I.C., A.I.C., is posted as Inspector of Explosives, South Circle with headquarters at Madras, with effect from the afternoon of the 15th February 1938.

G. PEACE,

Chief Inspector of Explosives in India.

INDIAN COAL GRADING BOARD.

NOTIFICATION.

Calcutta, the 31st March 1938.

No. 1.—The following Additions and Withdrawals have been made to the list of Graded Coals during the quarter ending 31st March 1938 and are notified for general information :—

Name of Owner.	Name of Colliery.	Name or No. of Seam.
1. ADDITIONS.		
LOW VOLATILE COAL.		
(BARAKAT AND KARHARBAREE SERIES.)		
SELECTED GRADE.		
Up to, but not exceeding 13 per cent. Ash and over 7,000 Calories.		
East Khas Jharia Colliery Co., Ltd.	East Khas Jharia	12. 9′-9″ leaving 1′-6″ in roof and 6′-0″ in floor.
The Borrea Coal Co., Ltd. (Messrs. F. W. Heilgers & Co.).	Bhagaband	16. 11′-0″ from roof leaving 2′-4″ from floor.
GRADE I (ONE).		
Up to, but not exceeding 15 per cent. Ash and over 6,500 Calories.		
Khas Jharia Colliery Co. (1933), Ltd.	Khas Jharia	10. (Kerridge). 7′-0½″ to 7′-1½″ Section.
HIGH VOLATILE COAL.		
(RANEEGUNGE SERIES.)		
SELECTED GRADE.		
Up to, but not exceeding 11 per cent. Ash and over 6,800 Calories. Under 6 per cent. Moisture.		
Mondal Brothers	Nandy	Seebpore. 10′-9″ Section from floor.
GRADE I (ONE).		
Up to, but not exceeding 13 per cent. Ash and over 6,300 Calories. Under 9 per cent. Moisture.		
North Adjai Coal Co., Ltd.	Jambad	Jambad. Top 14′ leaving 5′ in roof. Bottom 13′-9″ leaving 4′-6″ in floor.
2. WITHDRAWALS.		
SELECTED GRADE.		
Adjai Coal Co., Ltd. (Messrs. Andrew Yule & Co., Ltd.).	Nandy	Seebpore. 10′-9″ Section from floor.
GRADE I (ONE).		
North Adjai Coal Co., Ltd.	Jambad	Jambad. Top 7′-6″ Section leaving 5′-0″ in roof. Bottom 12′-9″ Section leaving 4′-6″ in floor.

S. N. BANERJI,
Secretary,
Indian Coal Grading Board.

J. R. HARRISON,
President,
Indian Coal Grading Board.

OFFICE OF THE COLLECTOR OF SALT REVENUE, MADRAS.

NOTIFICATION.

Custom House, Madras, the 30th March 1938.

C. No. 694-B.II-Salt/38.—In exercise of the powers conferred by section 7 of the Madras Salt Act, 1889 (Madras Act IV of 1889), and in supersession of all previous notifications issued from time to time under the said section, the Collector of Salt Revenue, Madras, with the sanction of the Central Board of Revenue, authorizes the Assistant Commissioners of Salt Revenue mentioned in the first column of the annexed schedule to exercise, with effect from 1st April 1938, the powers conferred on them by the said Act within the area of jurisdiction described against each in the second column thereof.

Schedule.

Assistant Commissioner. (1)	Area of Jurisdiction. (2)
Assistant Commissioner, Northern Division.	(i) *Orissa Province* :— The whole of the Ganjam District and so much of the Parlakimidi Estate as was transferred from the Presidency of Madras to the Province of Orissa by the Government of India (Constitution of Orissa) Order, 1936. (ii) *Madras Province* :— The Districts of Vizagapatam, East and West Godavari, Kistna, Guntur, Cuddapah, Kurnool, Bellary, Anantapur and the area comprised within the Magisterial jurisdictions of the Deputy Tahsildar Sub-Magistrates of Podili and Darsi in the Nellore District.
Assistant Commissioner, Central Division.	The remaining portion of the Nellore District not included in the Northern Division, the Districts of Chingleput, Madras, Chittoor, North Arcot, Salem, Coimbatore, the Nilgiris, Malabar, South Kanara and Trichinopoly and the Villupuram, Gingee and Tindivanam Taluks of the South Arcot District.
Assistant Commissioner, Southern Division.	The remaining portion of the South Arcot District not included in the Central Division and the Districts of Tanjore, Madura, Ramnad and Tinnevelly.

H. GREENFIELD,

Collector.

GOVERNMENT OF MADRAS.

Public Works Department.

KISTNA EASTERN DIVISION.

NOTIFICATION.

The 26th March 1938.

It is notified that the following unendowed tombs in Saint John Cemetery at Bandar Fort, require repairs badly and in some cases the inscribed slabs are likely to fall out of place. In order to keep the tombs in good order and as required by paragraph 3 of G. O. No. 6-Finance, dated the 4th February 1931, the relatives and friends of the deceased are hereby informed of the urgent necessity to finance the repairs of the tombs in question within three months from the date of notification, sending their communications to this office :—

List of Unendowed Tombs in St. John Cemetery at Bandar Fort.

Serial No. of tombs.	Description given on each tomb.
7	No name or description.
8	Do.
9	Do.
12	Sacred to the memory of Charlotti the beloved wife of Colonel T. King who departed this life on the 13th October 1833—Sunday 4 a. m. Aged 25 years and 1 month. How loved how valued once avails though to whom related or by whom became a heap of dust alone remain longer. It is all thou art and all proud still.
20	Sacred to the memory of Elizabeth Huges the beloved wife of Late Seb Hiant Hugh Hughes who departed this life on the 24th December 1830. Aged 58 years.
21	No name or description.
28	George the Infan Esq., of Mr. Hugkin-son. Born November 26th, 1811, died 18th January 1812.
41	No name or description.
42	Do.
47	Do.
72	Do.
80	Do.
82	Do.
90	Do.
92	Do.
93	Do.
94	Do.
103	Do.
104	Children come to me and forbid them not etc. Here lyeth the body of Sarah Newberry, who departed this life the 22nd day of May 1790 aged 4 years and 3 months.
107	No name or description.
110	Do.
112	Do.
113	Do.
117	Do.
118	Do.
128	Sacred to the memory of Frederic Loset Van Ingen beloved son of Whilunmina M. Van Ingen who departed this life at Masulipatam on the 7th February 1864 aged 26 years 8 months and 22 days.

N. J. JOSEPH,

Executive Engineer,

Kistna Eastern Division, Bezwada.

The 28th November 1937.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Delhi, the 1st April 1938.

No. 2-An.—Mr. E. H. Lobo, Assistant Controller of Military Accounts, Lahore, has been granted an extension of leave on medical certificate for 8 months, with effect from the 16th March 1938, consisting of leave on half average salary from the 16th March 1938 to the 31st July 1938 and extraordinary leave without pay from the 1st August 1938 to 15th November 1938.

No. 3-An.—Mr. M. B. Marfatia, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, has been granted privilege leave on medical grounds for one month and 27 days, with effect from the forenoon of the 14th March 1938, with permission to prefix the Gazetted holidays on the 11th and 12th March 1938 and Sunday the 13th March 1938 to this leave.

No. 4-An.—The undermentioned accountants of the office of the Controller of Military Accounts, Eastern Command, have been appointed to officiate as Deputy Assistant Controllers of

Military Accounts in that office, with effect from the dates noted against their names:—

Mr. A. K. Patra .	7th March 1938 (F. N.)
Mr. H. B. Chatterjee .	14th March 1938 (F. N.)
Mr. J. N. Jali . .	18th March 1938 (F. N.)

M. R. COBURN,

Military Accountant General.

New Delhi, the 6th April 1938.

No. 5-An.—Mr. B. R. Mugalkhod, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Southern Command has been granted privilege leave for two months and 27 days, with effect from the forenoon of the 4th April 1938, with permission to prefix Sunday the 3rd April 1938.

No. 6-An.—Mr. A. Swaminatha Aiyar, an accountant in the office of the Controller of Military Accounts, Southern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the forenoon of the 4th April 1938.

No. 7-An.—Mr. N. Narayana Aiyar, an accountant in the office of the Controller of Naval Accounts has been appointed to officiate as a Deputy Assistant Controller of Naval Accounts in that office, with effect from the forenoon of the 30th March 1938.

J. PARLBY,

Military Accountant General.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

Delhi, the 31st March 1938.

No. 86-P.—The services of 1st Class Assistant Surgeon G. L. R. Tapsall, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 3rd March 1938.

New Delhi, the 2nd April 1938.

No. 87-P.—The services of 1st Class Assistant Surgeon K. E. R. Robertson, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 13th March 1938.

No. 88-P.—The services of No. 2381 Jemadar Dev Raj Lath, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 1st March 1938.

No. 89-P.—The services of Lieutenant (Senior Assistant Surgeon) O. R. C. Freeman, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 18th March 1938.

E. W. C. BRADFIELD,

Major General, I.M.S.,

Director General, I. M. S.

New Delhi, the 6th April 1938.

No. 90-P.—The services of 4th Class Assistant Surgeon B. N. Beetles, I.M.D., are placed at the disposal of the Flag Officer Commanding Royal Indian Navy, Bombay, with effect from the 20th March 1938.

E. G. KENNEDY,

Colonel, I.M.S.,

for Director General, I. M. S.

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 28th March 1938.

No. 17958/2-E./47-C. T.—Mr. F. A. Robertson, B.A. (Cantab.), Income-tax Officer, Companies District II, Calcutta, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 17 days, with effect from the 3rd February 1938, with permission to affix Sunday the 20th February 1938 to the leave. It is also certified that the above officer has returned to the post of the Income-tax Officer, Companies District II, Calcutta, on the expiry of his leave.

This order cancels my Order No. 14450/2-E./47-C. T., dated the 6th February 1938.

S. N. BANERJEA,

Commissioner of Income-tax, Bengal.

HIGH COURT, ORIGINAL SIDE.

NOTIFICATION.

Calcutta, the 29th March 1938.

No. 1036-Cor.—The Hon'ble the Chief Justice of the High Court of Judicature at Fort William in Bengal has appointed Gerald Sebastian White, of 23, Surrey Street, Strand, London, W. C. 2, Attorney-at-Law, a Commissioner within all parts of England to take affidavits or solemn affirmations or declarations in all suits matters and proceedings in the Calcutta High Court and also the acknowledgments of married women in respect of property in India.

By order,

A. L. COLLET,

Registrar, O. S.

EAST INDIAN RAILWAY.

NOTIFICATION.

Calcutta, the 31st March 1938.

No. A. E. 780/1.—Mr. E. D. Graham, Assistant Superintendent, Junior Scale, Mechanical Engineering and Transportation (Power) Department has been appointed to officiate as Superintendent, Senior Scale in that Department, with effect from the forenoon of 18th February 1938.

J. A. BELL,
Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATIONS.

Calcutta, the 29th March 1938.

No. 12.—Mr. E. L. Manley, Chief Engineer, is granted leave out of India for 6 months, *viz.*, leave on average pay for 1 month and 19 days and half average pay for the remaining period, with effect from 7th April 1938 or subsequent date of relief.

A. F. HARVEY,
Agent.

Calcutta, the 1st April 1938.

No. 13.—Mr. M. Karmokar, Assistant Engineer, is granted leave on average pay for 1 month and 15 days, with effect from 7th April 1938 or subsequent date of relief.

E. L. MANLEY,
Chief Engineer.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 29th March 1938.

No. 37.—Mr. H. M. Connolly, Chief Mechanical Draughtsman, is granted leave on average pay for one month, with effect from 1st April 1398, or subsequent date of relief.

Lahore, the 1st April 1938.

No. 38.—Kanwar Man Singh, Assistant Transportation Officer, is granted an extension of leave on half average pay on Medical certificate for three months, with effect from 1st December 1937, in continuation of the leave already granted to him under this office Notification No. 130, dated 20th November 1937.

Lahore, the 2nd April 1938.

No. 39.—Mr. W. L. D. Martyn, Deputy Agent (Organization) Offg. Senior Scale Indian Railway Service of Engineers, is granted leave (out of India) for 7 months, *viz.*, leave on average pay for 4 months and on half average pay for the remaining period, with effect from 4th April 1938, or subsequent date of relief.

Lahore, the 4th April 1938.

No. 40.—Mr. H. N. Young, Divisional Transportation Officer, is granted leave (out of India) preparatory to retirement for 28th months, *viz.*, leave on average pay for one month and 19 days and on half average pay for the remaining period, with effect from 1st May 1938 or subsequent date of relief.

Lahore, the 5th April 1938.

No. 41.—Mr. F. V. Mahony, Deputy Controller of Stores, is granted leave (out of India) on average pay for 2 months and 22 days and in continuation thereof leave on half average pay for 3 months and 8 days, with effect from 19th April 1938.

C. F. CARSON,
Lt.-Col., R.E.,
Agent.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 29th March 1938.

No. 21620-S./2112.—Mr. W. B. Burford, Executive Engineer (Senior Scale) availed himself of 10 months and 14 days combined leave (*viz.*, 3 months 11 days privilege and 7 months and 3 days furlough on half pay), from 22nd December 1936 instead of 10 months and 15 days as previously notified.

Capt. W. P. Reed, R.E., Assistant Executive Engineer (Junior Scale) availed himself of 8 months leave on average pay and 16 days on half average pay, from 15th January 1937 instead of 8 months on average pay and 17 days on half average pay as previously notified.

Mr. A. V. D'Costa, Assistant Executive Engineer (Junior Scale) availed himself of 2 months leave on average pay, from 8th April 1937.

Mr. J. P. Murfoy, Assistant Transportation Superintendent (Lower Gazetted Service) has been granted 8 months combined leave (*viz.*, 4 months privilege and 4 months furlough on full pay), with effect from 8th March 1938.

Mr. H. N. Brock, Divisional Transportation Superintendent, has been granted 10 months and 3 days combined leave (*viz.*, 4 months privilege and 6 months and 3 days furlough on half pay), with effect from 10th March 1938.

Mr. W. R. Smith, Executive Engineer (Senior Scale) has been granted 8 months combined leave (*viz.*, 2 months, 30 days privilege and 5 months and 1 day furlough on half pay), with effect from 15th March 1938.

Mr. L. G. H. Turner, Power House Superintendent (Senior Scale) who was granted 5 months and 29 days leave on average pay, from 28th August 1937, resumed duty 1 day before the expiry of his leave, *i.e.*, on the forenoon of the 25th February 1938.

Mr. N. K. Kanitkar, Assistant Transportation Superintendent (Junior Scale), was granted 3 days leave on half average pay due to sickness, from 31st January 1938.

Capt. W. P. Reed, R.E., Assistant Executive Engineer (Junior Scale), was appointed to officiate in the Senior Scale, from 2nd October 1937 and not from 3rd October 1937 as previously notified.

Mr. H. P. Hira, Assistant Traffic Manager (Junior Scale), has been promoted substantively to the Senior Scale as Divisional Traffic Manager, with effect from 18th January 1938.

Mr. S. R. Ramchandra Iyer, Assistant Traffic Manager (Junior Scale), officiated in the Senior Scale as Assistant Traffic Manager (General) from 2nd February 1938 to 8th March 1938.

L. WILSON,

Agent.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, APRIL 16, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, IA, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III . .	35	0	0	12	0	0
Parts I, II and III . . .	25	0	0	8	8	0
Parts I, II, III, IV, V, & Supplement	37	0	0	11	8	0
Parts I, II and Supplement . .	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV . . .	29	0	0	7	8	0
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Parts I, IV, V and Supplement .	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

	Including packing and Indian postage.			Additional postage for supplies out of India.		
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Part I	12	0	0	5	0	0
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Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Offg Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 16th April 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

April 2, 1938.

25094. Aktiebolaget Radius. Improvements in gages.

25095. Fichtel and Sachs Aktiengesellschaft. Free-wheel hubs with back-pedalling brake driven by a motor mounted in the driving wheel.

25096. Beckwith Manufacturing Co. Improvements in encasements for treating fractures and the like.

April 4.

25097. Feroz-ud-Din. A grit spreading machine. [Addition to No. 22961.]

25098. S. Perry. Improvements in vacuum brake system.

25099. British Glycerine Manufacturers Ld. Improvements relating to the manufacture of artificial plastic masses and textile fibres. (February 9, 1938).

25100. Brooke Bond and Co. Ld., and F. Walker. Tea withering apparatus. (September 7, 1937). [Addition to No. 22909].

25101. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to television transmitting apparatus.

25102. A. Baer. Rotating slide valve packing for combustion engines.

April 5.

25103. Ardecor (Products) Ld. Improved device for applying paint, distemper and the like to flat surfaces such as walls, ceilings and the like. (April 19, 1937).

25104. Electrical Research Products Inc. Laminated sound or heat insulating materials. (April 21, 1937).

25105. The General Electric Co. Ld. Improvements in high-pressure mercury-vapour electric-discharge lamps. (April 5, 1937).

25106. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to alternating current amplifiers. (April 6, 1937).

25107. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to remotely controllable tuning arrangements. (April 15, 1937).

25108. Peirce, Leslie and Co. Ld. Improved process and apparatus for the extraction of liquid from cashew nut shells. (June 10, 1937).

25109. J. L. Nissen. Method and machine for the drying of tea.

25110. Ehrich and Grætz Aktiengesellschaft. Device for increasing the volume in containers for liquid fuel in lighting and heating apparatus.

April 6.

25111. H. Greenly. Improvements in inductor type electric relays. (April 30, 1937).

25112. The General Electric Co. Ld. Improvements in combinations of electric discharge devices with materials excited to luminescence by the discharge through them. (April 7, 1937).

April 7.

25113. M. S. Hardy. An improved spring mattress, cushion or the like and method of manufacturing the same.

April 8.

25114. K. Yoshida. Improvements in or relating to line-connection board for radio communication.

25115. Wellesley Holdings Ld. Improvements relating to the production of organic fertilisers. (April 19, 1937).

Alteration of Date.

(I)

23570. The claim to priority date 11th January 1936 has been abandoned and the application dated as of 11th January 1937, the date of filing in India.

(II)

23850. Ante-dated 14th September 1936 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23570. M. Kadenacy and Armstrong Whitworth Securities Company Limited. Improvements in two stroke internal combustion engines. *Exhaust of burnt gases takes place within the critical period when inlet opens.*

23580. G. L. Jarry. Apparatus for low temperature carbonization. *Retort comprising plurality of cylinders arranged in stepped relation.*

23850. Allmanna Svenska Elektriska Aktiebolaget. Improvements in and relating to tea rolling apparatus. (September 14, 1936). *Electrical control for the pressure member of tea rolling apparatus.*

23873. S. C. Singha. Improvements in or relating to cores for use in the manufacture of small cast iron or other castings. *Cores of absorbent textile materials treated and partially burned or charred to remove volatile gasses.*

23882. Standard Telephones and Cables, Limited. Carrier wave signalling systems. *Alarm for indicating change of signal energy level for long or short periods.*

23884. Standard Telephones and Cables, Limited Antenna systems. *Vertical antennae with lower terminal grounded and inclined conductor connecting intermediate point with radiating source.*

23938. H. Schmidt. Method of producing hydrogen peroxide. (June 3, 1936). *Vapours drawn off from both ends of the vertical heater tube through the solution flows.*

23958. The Metal Box Co. Ld. Improvements in or relating to vacuum chests or the like for closuring containers. (May 29, 1936). *Pressure plate and resilient member to give an indication when the predetermined amount of pressure exceeded.*

24042. The General Electric Co. Ld. Improvements in or relating to electric discharge lamps. (June 4, 1936). *Neon mixed with argon, krypton and xenon.*

24309. Ruhrchemie Aktiengesellschaft. Process for the catalytic conversion of oxides of carbon into higher hydro-carbons by means of hydrogen. (June 18, 1937). [Addition to No. 23662]. *High boiling paraffins removed from the catalysts more frequently than is necessary for regeneration.*

24362. I. G. Fabenindustrie Aktiengesellschaft. Process for the manufacture of sulphonic acid amide compounds. (August 26, 1936). *4-(4[1] aminobenzene sulphonamido) benzene sulphonic acid amide.*

24380. Metallic Manganese Company, Limited. Improvements in electrochemical production of manganese. (October 10, 1936). *Electrodeposition from solutions containing ammonium salts in which the NH_3 to Mn ratio is greater than 17 to 55 and the initial concentration of Mn is greater than 0·5 gm. per litre.*

24455. R. N. Das and J. N. Das. Improvements in and relating to sound reproducing machines, such as gramophones. *Means for varying sectional area of communicating passage between two arm and sound conduit.*

24465. Metropoli tan-Vickers Electrical Company Limited. Improvements relating to electric winder equipment for mine hoists. (September 29, 1936). *After initiation the operation is controlled at will either automatically or manually.*

24501. Meehanite Metal Corporation. Improved Manufacture of Cast Iron. *Addition of alkaline silicide to a steel rich mix.*

24503. Seri Holding S. A. Improvements in and relating to the manufacture of acid sodium fluoride. *Reaction of gaseous hydrofluoric acid and sodium chloride.*

24513. B. Martins. Resilient Suspension Unit for vehicles. *Resilient circular suspension member surrounded on either side with a supporting surface.*

24551. Dr. L. C. Schilling. Composition for removing stains and process for the manufacture of the same. *Stain removing agent dissolved in a viscous non-volatile liquid miscible with water.*

24571. H. Weiss and (Mrs.) O. V. Reich. Improved process for bleaching cotton fabrics and fibres of analogous kind. (February 13, 1937). *Treating with caustic alkali peroxide baths at 90-100°C with intermediate washings.*

24666. International General Electric Co. of New York, Ld. Improvements in and relating to electric lamps or the like. *Filament and its supporting structure mounted on the base independently of the attachment of the bulb to the base.*

24667. A. G. Coats and R. Hafner. Improvements in and relating to rotary wing aircraft. (December 11, 1936). *With changes in lift distribution along blade span, its centre of lift moves along straight spanwise line passing through its centre of mass.*

24680. Universal Oil Products Co. Process for the production of hydrocarbon derivatives. *Subjecting the hydro-carbon to be alkylated to treatment with cycloparaffins having less than 5 carbon atoms in the ring in the presence of metal halides and hydrogen halides.*

24706. Carp's Handelsbureau Voor Aviatiek and Scheepszaken N. V. Improvements in and relating to coin-freed vending machines, more particularly for ice-cream and the like. *Insulated compartment and means for conducting heat therefrom to an outside zone.*

24713. M. R. Mhaswadkar. Improvements in and relating to scent sprayers and like devices. *Having spring closed release valve.*

24717. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny and Cirey. Improvements in and relating to apparatus for chilling glass for tempering. *Pair of grids and carrying pads for gripping sheet.*

24718. M. Rajagopalan. A process for the manufacture of precipitated barytes. *Fusing with alkali and precipitating the barium sulphate.*

24735. H. L. De Waal. Improved apparatus for drying tea leaf. *Shelves arranged in a frame one above another, the frame being rotatable as a whole and every second shelf being tiltable.*

24767. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to cathode ray tube television transmitters. *A semi-insulating layer between a photo-electrically sensitive mosaic and signal back plate.*

24768. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to television. *Converting picture frames into picture signals reversing the polarity of the said signals and substituting positive pictures for negative ones at a rate above the rate of persistence of vision.*

24797. Otto Raz. An improved combination radio and clock cabinet. *Radio set and clock arranged in housing means for projecting sound downwardly and outwardly and operating knob concealed by hinged member.*

24805. R. H. Whitelegg, and Whitelegg and Roggers Ld. Improvements in or relating to grease guns. (April 24, 1937). *Nozzle having spring influenced apertured sealing member connected with a valve, groove being provided in said sealing member or valve.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23733. Mikimoto.
23737. Singer.
23750. Roberts and Watkins.
23776. Vereinigte Glühlampen Und Electricitats Aktiengesellschaft.
23808. The American Rolling Mill Co.
23841. Allmanna Svenska Elektriska Aktiebolaget.
24046. Standard Alcohol Co.
24270. Garewal.
24275. Shiraishi.
24285. International Hydrogenation Patents Co. Ld.
24384. Studien-und Verwertungsgesellschaft mit beschrankter Haftung.
24486. Dowling.
24591. Marconi's Wireless Telegraph Co. Ld.
24641. Bernier.
24661. Shiner.
24678. Watson.
24695. Bolinder's Fabricks Aktiebolag.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23172. Watson and Insular Lamps (Sydney) Ld.
23366. Continental Can Co. Inc.
23477. Dr. C. Otto and Comp. G. m. b. H.
23505. Gerrard Industries Ld.
23521. National Malleable and Steel Castings Co.
23586. Ronag A. G.
23616. Gascoigne and Knox.
23631. I. G. Farbenindustrie Aktiengesellschaft.
23637. Dirks.
23652. Copper Sheets Manufacturing Co. Ltd.
23666. The General Electric Co., Ld.
23691. Harrap.
23707. Magnani.
23757. Societe Robert Descendre and Leblanc.
23790. American Magnesium Metals Corporation.
23834. James F. Low and Co. Ld. and Lambert.
23849. N. V. De Bataafsche Petroleum Maatschappij.
23984. Paschke and Peetz.
24000. American Re-enforced Paper Co.
24049. Les Usines De Melle and Boinot.
24095. Wachha and Ghadiali.
24130. Moos.
24155. I. G. Farbenindustrie Aktiengesellschaft.
24261. Det Norske Aktieselskab For Elektrokemisk Industri.
24264. Davis.
24291. Ellis.
24306. Shephered.
24308. Neunkircher Eisenwerk A. G., formerly known as Gebruder Stumm.
24348. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain Chauny and Cirey.
24349. Sidhwa and Sidhwa.
24354. Simpson.
24463. James F. Low and Company Limited and Lambert.

Patents Sealed.

23123. Kopetz.
23326. Astbury and Chibnall.
23327. Astbury and Chibnall.
23405. Innocenti S. A.
23406. Innocenti S. A.
23413. Warde.
23585. The General Electric Co. Ld.
23768. Wellman Seaver Rolling Mill Co. Ld.
23774. Van Der Jagt.
23792. National Malleable & Steel Castings Co.
23807. Universal Oil Products Co.
23992. Babcock & Wilcox Ld.
23994. Marconi's Wireless Telegraph Co. Ld.
24018. Dr. Kronenberg and Sempell.
24021. The Metal Box Co. Ld.
24037. Imperial Chemical Industries Ld.
24038. Society of Chemical Industry in Basle.
24043. Metallgesellschaft Aktiengesellschaft.
24048. Seri Holding S. A.
24073. James Mills & Co. (Engineers) Ld., and Bolton.
24088. Marconi's Wireless Telegraph Co. Ld.
24105. Faiveley.
24147. J. A. Crabtree & Co. Ld., and McLoughlin.
24150. Ruetz.
24164. British Ozaphane Ld.
24183. Delbag, Deutsche Luftfilter-Baugesellschaft, Dr. Hans Wittemeier.
24190. General Railway Signal Co.
24192. Vogel-Jorgensen.
24193. Vogel-Jorgensen.
24225. Becker & Co. (1924) Ld.
24280. I. G. Farbenindustrie Aktiengesellschaft.
24292. Hoare & Co. (Engineers) Ld.

Opposition Proceedings.

This is an opposition entered by K. C. Chukerbutty and M. N. Chakrabortty to the grant of a patent on application No. 24318 made by S. Chatterjee, B. Banerjee and P. C. Goswami.

Appeal Proceedings.

The appeal filed by The National India Rubber Works Ld., against the decision of the Controller of Patents and Designs on the opposition to the grant of a patent on R. L. Revri's application No. 22688 and notified in Part II of the *Gazette of India*, dated the 13th November 1937, has been disallowed by the Central Government.

Amendment Proceedings.

(I)

12055. In pursuance of leave granted on the 6th April 1938, the above numbered specification has been amended in the manner set forth in Part II of the *Gazette of India*, dated the 11th December 1937.

(II)

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Lancelot Newling Rawes, a subject of the King of Great Britain, of 117, Fenchurch Street, London, E. C. 3, England, seeks leave to amend his application for patent numbered 24325, by substituting "Elastic Rail Spike Co. Ld., a company incorporated under the Laws of Great Britain, of Cory Buildings, 117, Fenchurch Street, London, E. C. 3, England," as applicants in place of himself, and to make consequential amendments in the application, in the specification and in the drawings. Any person desirous of opposing the application for amendment should, at any time within three months from the date of this Gazette, give notice of his intention to do so in the prescribed form (Form No. 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta.

Renewal Fees Paid

PATENTS.

9426. Marconi's Wireless Telegraph Co. Ld. (To 25th June 1939).
9473. Kershaw and ors. (To 13th July 1939).
11208. Becher. (To 31st March 1939).
11255. Dr. Ing. Rehbock. (To 15th April 1939).
11274. Fleming. (To 20th April 1939).
11387. The Firm Hermann Nier. (To 1st June 1939).
12223. P. and M. Co. (To 26th April 1939).
13213. Stenning. (To 2nd May 1939).
13216. LeClair and ors. (To 11th June 1939).
13272. Olivarius. (To 23rd May 1939).
13325. Hayles and ors. (To 9th June 1939).
13326. Hornblower and ors. (To 9th June 1939).
13327. Walley and ors. (To 9th June 1939).
14120. Vickers Ld. (To 16th May 1939).
14230. Turner. (To 31st May 1939).
14348. California Packing Corporation. (To 7th May 1939).
14367. LeClair and ors. (To 20th June 1939).
14385. Low Temperature Carbonisation Ld. (To 21st May 1939).
14431. International De Lavaud Mfg. Corporation Ld. (To 31st May 1939).
14435. "Montecatini" Societa Generale Per L' Industria Mineraria Ed Agricola. (To 1st June 1939).
14436. "Montecatini" Societa Generale Per L' Industria Mineraria Ed Agricola. (To 1st June 1939).
14452. Aktiebolaget Siefvert & Fornander. (To 5th June 1939).
14473. International General Electric Co. Inc. (To 11th June 1939).
14497. International General Electric Co. Inc (To 18th June 1939).
14607. Safety Mining Co. (To 23rd July 1938).
14787. Metropolitan-Vickers Electrical Co. Ld. (altered to Associated Electrical Industries Ld.) (To 21st September 1939).
14883. Patel. (To 8th April 1939).
15716. The Distillers Co. Ld. (To 25th June 1939).
15745. Thompson. (To 15th May 1939).
16073. Compagnie Internationale Des Pieux Armes Frankignoul Societe Anonyme. (To 29th July 1939).
16095. The Barrett Co. (To 17th May 1939).
16096. The Barrett Co. (To 17th May 1939).
16097. The Barrett Co. (To 17th May 1939).
16886. Bary. (To 8th April 1939).
16894. Lockley. (To 12th April 1939).
17094. Wilson & Co. Barnsley Ld., and anr (To 16th June 1939).
17107. Dietmann. (To 16th June 1939).
17108. Johansson. (To 16th June 1939).
17122. Dunlop Rubber Co. Ld., and ors. (To 23rd June 1939).
17471. The Francois Cementation Co. Ld., and anr. (To 28th August 1939).
17860. Howard & Bullough Ld., and anr. (To 27th May 1939).
17868. Hulburd Patents Ld., and anr. (To 14th April 1939).
17950. British Celanese Ld. (To 9th May 1939).
18071. The New Jersey Zinc Co. (To 25th May 1939).
18106. "Montecatini" Societa' Generale Per L' Industria Mineraria Ed Agricola. (To 8th June 1939).
18935. The New Jersey Zinc Co. (To 9th May 1939).
18960. Kelsen and anr. (To 23rd May 1939).
19077. Mitchell and anr. (To 24th July 1939).
19099. The British Steel Piling Co. Ld. (To 1st August 1939).
19102. Associated Electrical Industries Ld. (To 11th September 1939).
19704. Furguson and anr. (To 6th March 1939).
19747. Milne. (To 22nd March 1939).
19852. Waugh Equipment Co. (To 24th April 1939).
19853. Continental Can Co. Inc. (To 24th April 1939).
19904. Safety Mining Co. (To 15th May 1938).
20008. Meboe Ld. (To 4th July 1939).
20382. Les Petits Fils De Francois De Wendel & Cie. (To 25th September 1939).
20674. Naamlooze Vennootschap Maatschappij tot Exploitatie van "ten Bosch Octrooien N. V." (To 9th March 1939).
20746. Davis. (To 3rd April 1939).
20757. Krishnamurthy. (To 5th April 1939).
20767. Siemens (India) Ld. (To 9th April 1939).
20782. Volkart Brothers and anr. (To 16th April 1939).
20815. Evans. (To 24th April 1939).
20852. James Mills & Co. (Engineers) Ld. (To 7th May 1939).

20863. Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (To 14th May 1939).
20922. "Montecatini" Societa Generale per l' Industria Mineraria ed Agricola. (To 6th June 1939).
20954. International General Electric Co. Inc. (To 18th June 1939).
21205. General Railway Signal Co. (To 24th September 1939).
21319. Watkins and anr. (To 13th April 1939).
21713. Whist. (To 12th March 1939).
21769. N. V. Naamlooze Vennootschap Athano. (To 6th April 1939).
21797. British Celanese Ld. (To 30th May 1939).
21834. Kolb. (To 10th May 1939).
21850. Aktiebolaget Siefvert & Fornander. (To 21st June 1939).
21922. Gascoigne and anr. (To 16th June 1939).
22318. Shimwell. (To 14th June 1939).

Cessation of Patents.

12867. Williams.
15199. d'Halloy.
15206. The Liverpool Electric Cable Co. Ld.
16592. Pennell and anr.
18566. Abbott.
18619. Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij.
19198. Brown.
19515. Baker and ors.
19541. Bacqueyrisse.
20429. Hayes-Gratze.
20487. Rahim.
20490. Kerasin Ld.
20493. Wakeham.
20495. Stam.
20496. Stam.
20499. Modern Heating Ld.
20501. Powell.
20502. Cecil.
20506. Chambers.
20508. Herrmann.
20509. Taylor.
20511. Fallows.
20513. DePenning.
20613. Algrain.
21490. Brown and Co. Ld.

Restoration Proceedings.

Notice is hereby given that an order was made on the 7th April 1938, restoring the patent granted to Safety Mining Co pany, for an invention for "Improvements in blasting cartridges", numbered 14607 and dated as of the 23rd July 1928.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets:—

Class 5. No. 63157. Venkataramanaswamy Sampangi Ramiah, Proprietor, The Bangalore Soap Factory, Chamarajpet, Bangalore City, March 10, 1938.

Class 12. No. 63059. Kalasho and Co., of Pahargunj, New Delhi, British India. February 14, 1938.

Class 13. No. 63122. Din Mohammad of Mohalla Powngran Wala, Inside Pak Gate, Multan City (Punjab). March 1, 1938.

Class 13. Nos. 63171 to 63175. F. Steiner & Co. Ld., of Church, Lancashire, England. March 14, 1938.

Class 13. Nos. 63180 and 63181. The Indian Bleaching, Dyeing and Printing Works Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. March 21, 1938.

Class 14. Nos. 63192 and 63193. Toyo Menka Kaisha, Ld., of No. 5, Royal Exchange Place, Calcutta, British India. March 22, 1938.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays*;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patent and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public:—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.

MADRAS . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). .	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE.

NOTIFICATION.

New Delhi, the 6th April 1938.

No. 2725.—Mr. S. M. Jamaluddin, Cattle Superintendent, Agricultural Sub-station, Karnal, is granted leave on average pay for 14 days from the 1st April, 1938.

B. VISWA NATH,

Director.

DEPARTMENT OF EXPLOSIVES.

NOTIFICATION.

Calcutta, the 5th April 1938.

No. P-10(5).—In exercise of the powers conferred by Sub-rule (2) of rule 2 of the Petroleum Rules, 1937, it is hereby notified for general information that all mechanically driven vehicles used for the transport by road of petroleum other than non-dangerous petroleum not in bulk or heavy petroleum must comply with the requirements of rule 79 of the said rules not later than the 1st day of January 1939.

G. PEACE,

Chief Inspector of Explosives in India.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

New Delhi, the 9th April 1938.

No. E.B.-15.—Mr. D. S. Jung, Assistant Aerodrome Officer, Civil Aerodrome, Dum Dum is granted 'earned leave' for 14 days with effect from the 10th April 1938, or the date from which it is actually taken.

F. TYMMS,

Director of Civil Aviation in India.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATION.

New Delhi, the 8th April 1938.

No. 91-P.—The services of 3rd Class Assistant Surgeon W. I. White, I.M.D., are replaced at the disposal of the Director of Medical Services in India with effect from the 23rd March 1938.

W. M. WILL,

Lieut.-Colonel, I.M.S.,

for Director General, I. M. S.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATION.

New Delhi, the 9th April 1938.

No. 11-An.—Mr. Banna Ram, an accountant in the office of the Controller of Military Accounts, Northern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office with effect from the forenoon of the 31st March 1938.

J. PARLBY,

Military Accountant General.

RESERVE BANK OF INDIA—PUBLIC DEBT OFFICE.

Statement of Government Promissory Notes enfaced for payment of Interest in London, under deduction of amo[unts] re-transferred to India, and outstanding in the Books of the Indian Government Rupee Loans Office, Reserve B[ank] of India, on the 31st March 1938.

PARTICULARS.	2½ PER CENT. LOAN.	3 PER CENT. LOANS.			3½ PER CENT. LOANS.					
	1948-52.	1896-97.	BONDS, 1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.
Balance of 28th February 1938.	*Nil*	11,40,600	*Nil*	1,06,700	27,04,600	96,42,500	40,65,300	10,99,100	4,05,250	3,30,60,[illegible]
Add—										
Amount of Loan Certificate transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to .	...	...		...	...	...	...	...	...	...
Amount enfaced at Bombay up to 11th February 1938 .	...	...		...	...	...	...	...	...	...
Amount enfaced at Calcutta between and 193 .	...	...	...	...	...	...	...	...	...	...
	Nil	11,40,600	*Nil*	1,06,700	27,04,600	96,42,500	40,65,300	10,99,100	4,05,250	3,30,60,3[illegible]
Deduct—										
Amount written off in the London Registers .	...	...	...		...	19,600	...	...	...	...
Balance on 31st March 1938 .	*Nil*	11,40,600	*Nil*	1,06,700	27,04,600	96,22,900	40,65,300	10,99,100	4,05,250	3,30,60,3[illegible]

PARTICULARS	4 PER CENT. LOANS.		4½ PER CENT. LOAN.	5 PER CENT. LOANS.				5½ PER CENT. LOANS.		TOTAL.
	BONDS, 1943.	1960-70.	1955-60.	Indian War Loan, 1929-47.	1945-55.	1939-44.	1940-43.	War Bonds, 1928.	1938-40.	
Balance of 28th February 1938 .	2,00,00,000	4,74,400	18,500	100	23,55,900	6,21,300	4,95,100	100	1,88,000	7,63,77,7[illegible]
Add—										
Amount of Loan Certificate transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to .	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to 11th February 1938 .	...	...	...		8,000	...	...	...	...	8,0[illegible]
Amount enfaced at Calcutta between and 193 .	...	...	...	...	...	...	...	...	...	...
	2,00,00,000	4,74,400	18,500	100	23,63,900	6,21,300	4,95,100	100	1,88,000	7,63,85,7[illegible]
Deduct—										
Amount written off in the London Registers .	...	35,000	10,000	...	3,500	...	...	...	...	68,1[illegible]
Balance on 31st March 1938 .	2,00,00,000	4,39,400	8,500	100	23,60,400	6,21,300	4,95,100	100	1,88,000	7,63,17,6[illegible]

RESERVE BANK OF INDIA ;
PUBLIC DEBT OFFICE ;
Calcutta, the 6th April 1938.

S. A. RAHIM,
Accountant.

L. PERTWEE,
Manager.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 16th April 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

OFFICE OF COMMISSIONER, CENTRAL EXCISES AND SALT, NORTHERN INDIA.

NOTIFICATIONS.

APPOINTMENTS.

Delhi, the 18th March 1938.

No. 27.—S. Ajit Singh, Deputy Superintendent, Khewra Mine is appointed to officiate as Superintendent on Rs. 200—15—500 with effect from the 17th March 1938 in the vacancy caused by the resignation of Mr. S. M. Said, Proby, Superintendent.

(File No. 51-Et-/37).

No. 26.—S. Ajit Singh, Deputy Superintendent, Khewra Mine, is appointed to act as Superintendent on Rs. 200—15—500 for the period from the 7th March 1938 to the 16th March 1938 in succession of Rai Bahadur Shiv Charan Das, Administrative Officer appointed as Deputy Commissioner.

(File No. 442-Et./37).

LEAVE.

Delhi, the 2nd March 1938.

No. 18.—Mr. Abdul Aziz Beg, Superintendent Didwana, Rajputana Salt Sources Division, is granted 10 days leave on average pay with effect from the 1st March 1938 with permission to affix the Moharram holidays on 11th and 12th and Sunday the 13th March 1938 to the leave.

(File No. 126-Et./38).

Delhi, the 14th March 1938.

No. 22.—Mr. W. O. Davey, Assistant Commissioner, Central Excise and Salt, Northern India, Agra, is granted 2 months and 9 days leave on average pay combined with 3 months and 21 days leave on half average pay not due with effect from the 18th March 1938.

(File No. 99-Et./38).

Delhi, the 27th March 1938.

No. 38.—Mr. Abid Husain, Superintendent, Bahadur Khel Circle, North-West Preventive Division, is granted four months leave on average pay with effect from the 15th May 1938, preparatory to retirement.

(File No. 171-Et./38.)

Delhi, the 31st March 1938.

No. 42.—In supersession of this office Notification No. 18, dated the 2nd March 1938, M. Abdul Aziz Beg, Superintendent Didwana, Rajputana Salt Sources Division, is granted one month leave on average pay with effect from the 1st March 1938.

(File No. 126-Et./38).

F. C. KING, I.C.S.,

Commissioner,

Central Excises and Salt, Northern India.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the undermentioned debtors on dates given in column 1, orders of adjudication in insolvency were made against them by the High Court of Judicature at Madras on dates given in the last column.

Date of filing.	No. of petition.	Name and address of the Insolvent.	Date of adjudication.
15th March 1938	79/38 .	R. Srinivasagopalachari, Headmaster, in the Corporation of Madras, residing at No. 5, Mangesh Street, Thyagrajanagar, Madras.	16th March 1938.
16th March 1938	80/38 .	P. Mallinatha Nainar, residing at No. 73, Acharappan Street, George Town, Madras.	17th March 1938.
17th March 1938	82/38 .	M. Raghava Rao Naidu, Broker and Commission Agent, residing at No. 2, Motharapu Venkataswami Naidu Street, Spar Tank Road, Egmore, Madras.	18th March 1938.
22nd March 1938	87/38 .	K. Abdul Wahid Saheb, Proprietor, New Delhi Restaurant, 185, Mount Road, residing at 9—1st Lane, Katabada, Washer-manpet, Madras.	23rd March 1938.
26th March 1938	94/38 .	A. F. Khabardar, carrying on business under the name and style of, the "New Era Trading Co.," Wallaja Road, Mount Road, Madras and residing at 20, Aravamedu Garden Street, Egmore, Madras.	28th March 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 6th April 1938.

R. JAYARAM,
First Asstt. Registrar.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the creditors in column 3 of the debtors in column 4 on dates given in column 1, orders of adjudication in insolvency against the said debtors were made by the High Court of Judicature at Madras on the dates given in the last column.

Date of filing.	No. of petition.	Name of the petitioning creditor.	Name and address of the insolvent.	Date of adjudication.
1	2	3	4	5
6th January 1938.	9/38 .	Seth Kushu Singh Chaturbhuj .	(1) A. R. V. Raju, (2) A. R. Jayaraman, 1st insolvent was carrying on Potato business, under the name and style of the Blue Mountain Trading Co., at 25, Malaiperumal Street, G. T. and the 2nd insolvent carrying on leaves business at 11, Audiappa Naick Street.	31st January 1938.
16th February 1938.	47/38 .	Lokram Lakimchand . . .	P. Ramamja Chari, an Advocate, practising in the High Court of Madras, and residing at 4, Iruluppan Street, George Town, Madras.	7th March 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 6th April 1938.

R. JAYARAM,
First Asstt. Registrar.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 11th April 1938.

No. S.-75/9.—Mr. J. Pratt Johnson, M.B.E., Assistant Deputy Director-General, officiating as Deputy Postmaster-General, Bengal and Assam Circle, is granted leave on average pay for the 17th February 1938.

No. S.-177/6.—Mr. T. R. Bhaktavatsalu Nayudu, Postmaster, Grade A, is permitted to retire from service, with effect from the 1st July 1938.

G. V. BEWOOR,

Director General, Posts and Telegraphs.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 7th April 1938.

No. E. P. 913.—Mr. K. C. Goswami, Assistant Engineer, Lower Gazetted Service has been granted an extension of 4 months leave on average pay on medical grounds with effect from the 21st November 1937 in continuation of 4 months leave on average pay granted to him with effect from the 21st July 1937 *vide* notification No. E. P. 913, dated 2nd December 1937, published in the Gazette of India Part II, dated the 11th December 1937.

No. E. P. 431.—Mr. S. D. Bamjee, Executive Engineer, Senior Scale has been granted 4 months privilege leave combined with 2 months and 17 days furlough on full pay out of India with effect from the 14th April 1938 or subsequent date of relief.

Calcutta, the 9th April 1938.

No. M.E. 330/20B.—Mr. R. Oakley, Assistant Superintendent (Lower Gazetted Service) Mechanical Engineering and Transportation Power departments has been granted leave on average pay for 1 month and 5 days with effect from the 5th of April 1938.

J. A. BELL,

Agent.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 5th April 1938.

No. 42.—Notification No. 23, dated 19th February 1938, is hereby cancelled.

Lahore, the 6th April 1938.

No. 43.—Mr. S. B. Deshpande, a Junior Scale Officer of the Electrical Engineering Branch, is promoted to the Senior Scale permanently with effect from the 19th February, 1937.

Lahore, the 7th April 1938.

No. 44.—Mr. W. R. Bumstead, Officiating Executive Engineer Signals, is granted leave (out of India) for 6 months and 15 days, *viz.*, leave on average pay for 6 months and on half average pay for the remaining period, with effect from 16th April 1938 or subsequent date of relief.

Lahore, the 9th April 1938.

No. 45.—Mr. T. N. Kunzru, Track Supply Officer, is granted leave on average pay for 4 months with effect from 11th April 1938 or subsequent date of relief.

Lahore, the 11th April 1938.

No. 47.—Mr. T. G. Creighton, Works Manager, is granted leave on average pay on Medical Certificate (out of India) for 8 months, with effect from the 8th February 1938.

C. F. CARSON,

Lt.-Col., R. E.,

Agent.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 6th April 1938.

No. 21620-S.-2119.—Mr. S. B. Azid, Assistant Executive Engineer (Junior Scale) was granted 4 months leave on average pay from 14th November, 1937.

Mr. K. C. Pathak, Assistant Executive Engineer (Junior Scale) has been granted 2 months and 25 days leave on average pay from 21st March, 1938.

Mr. L. E. Dowling, Executive Engineer (Senior Scale) has been granted 7 months combined leave (*viz.* 3 months 20 days privilege and 3 months and 10 days furlough on half pay) from 21st March, 1938.

Mr. R. P. Bould, Dy. Transportation Superintendent (Telegraphs) has been granted 2 years combined leave (*viz.* 1 month 19 days privilege, 1 year 10 months and 12 days furlough on half pay) preparatory to retirement from 1st April, 1938.

Mr. H. J. Graham, Divisional Transportation Superintendent, has been granted 6 months and 22 days combined leave (*viz.* 2 months and 20 days privilege, 4 months and 2 days furlough on half pay) from 2nd April 1938.

Mr. N. K. Kanitkar, Assistant Transportation Superintendent (Junior Scale) Power, has been appointed to officiate in the Senior Scale from 3rd February, 1938.

Mr. V. Nilakantan, Assistant Transportation Superintendent (Junior Scale) has been appointed to officiate in the Senior Scale from 2nd March, 1938.

Mr. R. J. Harris, Assistant Transportation Superintendent (Junior Scale) Telegraphs, has been appointed to officiate in the Senior Scale from 1st April, 1938.

Mr. G. A. Carter, Workshop Foreman, has been appointed to officiate as Assistant Transportation Superintendent (Telegraphs) in the Lower Gazetted Service, from 1st April, 1938.

L. WILSON,

Agent.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, APRIL 23, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, IA, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage. Rs. A. P.			Additional postage for supplies out of India. Rs. A. P.		
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
Parts I, II, III, IV, V, & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

	Including packing and Indian postage. Rs. A. P.			Additional postage for supplies out of India. Rs. A. P.		
Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Local Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 23rd April 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

April 9, 1938.

25116. P. C. Mukerjee. Burglarproof electrical alarm device that is effective even when the wiring is cut off or the electric fails or fuses.

25117. La Paroi Hydraulique. Improvements in or relating to reinforced concrete tanks. (December 13, 1937).

April 11.

25118. P. M. Salerni. Improvements in or relating to hydraulic power transmission apparatus.

25119. The General Electric Co. Ld. Improvements in or relating to electric discharge lamps containing luminescent materials. (April 12, 1937).

25120. Titangesellschaft m. b. H. Improvements in the hydrolytic precipitation of titanium compounds and the manufacture of titanium pigments.

25121. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to electrical oscillation generators.

25122. Knoll A. G. Chemische Fabriken. Process for the preparing of optically active B-(P-oxphenyl)-isopropylmeth lamines.

April 12.

25123. Bochumer Verein fur Gussstahlfabrikation Aktiengesellschaft. Process and apparatus for hardening profiled parts.

25124. Standard Telephones and Cables Ld. Improvements in or relating to telegraph systems. (April 19, 1937).

25125. K. C. Bhappu and P. K. Bhappu. Improvements in or relating to tiffin carriers and the like.

25126. K. C. Bhappu and P. K. Bhappu. Improvements in or relating to tiffin carriers and the like.

25127. S. D. Gupta. An improved filter and method of manufacturing the same.

Alteration of Date.

24404. The claim to priority date 26th August 1937 has been disallowed and the application dated as of 9th September 1937, the date of filing in India.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of she Indian Patents and Designs Rules, 1933, of tuch opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23886. K. V. Karantha. An improved demand indicator. *Giving to impulses time lags equal the demand period.*

23889. N. V. De Bataafsche Petroleum Maatschappij. Improved process and apparatus for removing impurities from a hydrocarbon containing dispersed water. *Dispersing fresh droplets of water to coexist with the original droplets containing dissolved impurities, coalescing them by subjecting to an electric field and separating the coalesced water.*

23967. Ateliers H. Duesberg-Bosson, Societe Anonyme. Process and apparatus for the treatment of textile material in laps and webs. *Subjecting web or lap simultaneously to an elastic pressure and to friction.*

23969. M. Piacentini. Signalling system for night landing and mooring fields for aircraft with lights provided on board thereon. *Light reflecting signals arranged in line of flight round landing field.*

24098. R. N. Das and J. N. Das. Improvements in and relating to sound reproducing machines, such as gramophones. *Two sound horns in combination with means for shutting them off at will.*

24196. S. S. Widdas. Improvements in or relating to rail supporting and securing means. (July 8, 1936). *Chair with vertical and inclined jaws, fish-plate with inclined face and wedge seating on said inclined faces of jaw and fish-plate.*

24332. Wellesley Holdings, Limited. Improvements in or relating to a process for the degradation of solid or semi-solid organic matter. (December 22, 1936). *Subjecting to successive action of anaerobic and thermophilic aerobic bacteria.*

24397. N. M. Harrison and Marshall Sons and Company (India), Limited. Improved atomising device. *Atomising portion with a small orifice having a concave inner surface leading to the orifice.*

24404. M. S. De Gialluly. Electrodynamic loudspeaker with combined yoke and transformer. *Yoke having a magnetic circuit of sheet metal of shape E.*

24523. Callender's Cable and Construction Co. Ld. and A. M. Hamilton. Improvements in sliding doors. (November 11, 1936). *Sections work upon same guiding track but are located in different planes one section passing wholly or partly behind another.*

24622. M. Levi. Improvements in the manufacture of tiles having a glossy or polished surface. *Spraying dilute solution of cement and water on surface and polishing with wax or turpentine.*

24626. J. A. M. Watson. Improvements in the reinforcement of bamboos. *Surrounding outside and filling inside of bamboo with concrete or like.*

24648. T. W. Chick. Improvements in or relating to calculating machines. (November 20, 1936). *A multiplying and/or dividing machine for operating with two amounts expressed in non-uniform notations.*

24688. D. S. Kennedy. Improvements in non-skid chains for road vehicles. (December 3, 1936). *Transverse shoe for double tyre is in two halves coupled together and abutting in central plane of tyre.*

24691. M. Ahmad Din. Improvements in or relating to internal combustion engines and more particularly to means for operating the air and exhaust valves therein. *Lever for operating the air or exhaust valve is made adjustable.*

24692. S. M. Sundrum. A device for printing yarn in hanks. *Comprising two printing rollers, one of which is partly immersed in a tray containing printing material and a carriage driven by the rotation of the printing roller and supporting hanks tensioning rollers.*

24782. J. F. Haig and Co., Ld. and J. F. Haig. Improvements in or relating to sleeve cuffs. *Outer ply linked to the cuff by material attached to the ply at each end-marginal portion and to the remainder of the cuff at the proximal extremity of the vertical limb at the corresponding end-marginal portions.*

24784. K. Mitterbiller-Epp. Process of recovering colloidally and molecularly dissolved substances in solid form. *Emulsifying the solution with a liquid insoluble in the solution and not capable of dissolving the solid substance, and separating.*

24796. Paris Crown Seals Ld. Improved capsule for bottles, jars and the like. *Four cuts formed in the crimped wall of the cap located in a space less than one half of the circumference.*

24801. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to radio and other carrier wave receivers. (April 6, 1937). *Employing automatic gain control circuits and detector circuits with controllable reaction between output and input.*

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23198. Kadenacy, and Armstrong Whitworth Securities Co. Ld.
23488. Korach and Dal Borgo.
23593. Chobert.
23620. Ferguson (commonly known as Harry Ferguson).
23670. Eisenwerk-Gesellschaft Maximilianshutte.
23815. R. G. Le Tourneau Inc.
23898. Elektro-Thermit G. m. b. H.
23918. Jan.
23996. Broom and Wade Ld.
24004. Morely.
24047. Societe Francaise de Filtrage et d'Epuration des Eaux La Masse Filtrante Korff, Society Anonyme.
24070. Universal Oil Products Co.
24128. The British Tabulating Machine Co., Ld
24227. Ruhrchemie Aktiengesellschaft.
24296. Schwartz and Chavannes.
24325. Rawes.
24376. N. V. Philips' Gloeilampenfabrieken.

Patents Sealed.

23271. Sarkar.
23416. Altman.
23426. Marconi's Wireless Telegraph Co. Ld.
23432. Lambert.
23435. Astbury and Chibnall.
23463. The American Rolling Mill Co.
23496. Unger.
23507. Kleentainers (British and Overseas) Ld.
23612. Baier.
23936. The General Electric Co. Ld.
23940. Koppers Co.
23965. Mohr.
24012. Le Fevre Varvel.
24101. Imber.
24115. Saxby and Farmer (India) Ld.
24250. Pai.
24254. General Railway Signal Co. Ld.
24287. J. B. Norton and Sons Ld.
24293. Schwartz and Chavannes.
24294. Schwartz and Chavannes.
24298. Universal Oil Products Co.
24327. E. I. du Pont de Nemours and Co. and Westbrook.
24333. Universal Oil Products Co.
24364. The General Electric Co. Ld.
24624. The General Electric Co. Ld.

Opposition Proceedings.

This is an opposition entered by Hugo Schneider Aktiengesellschaft to the grant of a patent on application No. 23647 made by B. Nier.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest:—

Nos. 16618, 18360, 18375 and 22919. Koppers Co.

No. 23931. The American Brake Shoe and Foundry Co.

Renewal Fees Paid.

PATENTS.

12256. Hansena A. G. (To 5th May 1939).
12284. Dewolf. (To 17th May 1939).
12292. Mukerji. (To 25th May 1939).
12301. Deutsche Gold-und Silber Scheideanstalt. (To 25th May 1939).
12369. Sheffield and anr. (To 4th May 1939).
14545. Becker and anr. (To 2nd July 1939).
15756. Marshall and anr. (To 25th May 1939).
16341. Fried Krupp Grussonwerk Aktiengesellschaft. (To 18th July 1939).
16947. Dr. Nathansohn. (To 28th April 1939).
17202. Svenska Aktiebolaget Bromsregulator. (To 21st July 1939).
18010. Beckman. (To 4th May 1939).
18107. Fatah. (To 8th June 1939).
18030. Benes Ld. (To 27th May 1939).
18147. Dassonville. (To 22nd June 1939).
18209. I. G. Farbenindustrie Aktiengesellschaft. (To 28th July 1939).
19080. Siemens (India) Ld. (To 25th July 1939).
19085. Schering-Kahlbaum Aktiengesellschaft. (To 25th July 1939).
19086. Schering-Kahlbaum Aktiengesellschaft. (To 25th July 1939).
19765. Singh. (To 30th March 1939).
19810. Biswas. (To 12th April 1939).
19837. Aditya. (To 20th April 1939).
19941. The Gerrard Co. Inc. (To 23rd May 1939).
19954. Hermann Nier. (To 27th May 1939).
19990. Hume Pipe Co. (Australia) Ld. (To 6th June 1939).
20037. Mayhew. (To 26th June 1939).
20043. Aktiebolaget Gerh. Arehus Mekaniska Verkstad. (To 27th June 1939).
20799. Sinha. (To 18th April 1939).
20872. Hume Pipe Co. (Australia) Ld. (To 14th May 1939).
20886. United Cotton Products Co. (To 21st May 1939).
20887. Hume Pipe Co. (Australia) Ld. (To 21st May 1939).
21924. Griffith. (To 19th June 1939).

Cessation of Patents.

11980. International General Electric Co. Inc.
11981. International General Electric Co. Inc.
16604. Dr. Gminder.
18536. Johnson.
20514. Niedzwiedz.
20521. Staheli and anr.
20524. Niccoli.
20791. Fried Krup Grusonwerk Aktiengesellschaft.
21444. Voice Records Ld.
21518. Narayan.

Restoration Proceedings.

Notice is hereby given that an order was made on the 9th April 1938, restoring the patent granted to Safety Mining Co., for an invention for "Improvements in blasting cartridges" numbered 19904 and dated as of the 15th May 1933.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets:—

Class 3. Nos. 62812 and 62814. The Premier Rubber Works Ld., of 82, Colootola Street, Calcutta. December 2, 1937.

Class 4. Nos. 63228 and 63229. B. Whitaker and Sons Ld., of St. Stephens House, Victoria Embankment, Westminster, England. April 4, 1938.

Class 5. No. 63216. Ko Abdul Majid, of Nattumkara Street, Ambur, Madras Presidency, British India. March 28, 1938.

Class 10. Nos. 63813 and 63815. The Premier Rubber Works Ld., of 82, Colootola Street, Calcutta, December 2, 1937.

Class 12. No. 63215. Kishinchand Chellaram, of 7 Narayana Mudali Street, Madras, British India. March 25, 1938.

Class 13. Nos. 63231 to 63233. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. April 5, 1938.

Class 14. Nos. 63234 to 63239. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. April 5, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 13. No 34122. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. June 11, 1928.

Class 13. Nos. 34243, 34244. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. June 18, 1928.

Class 13. No. 34545. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 3, 1928.

Class 13. No. 34667. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 16, 1928.

Class 13. No. 35182. The Calico Printers' Assotion, Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 30, 1928.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the design included in that entry :—

Class 13. No. 56855. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. June 19, 1933.

Class 13. No. 56922. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 12, 1933.

Class 13. Nos. 56989, 56997, 57007 and 57008. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 27, 1933.

Class 14. No. 56889. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 5, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). . .	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 13th April 1938.

No. 12.—1. On return from leave Mr. Ganga Bishan is appointed to act as Assistant Currency Officer, Reserve Bank of India, Issue Department, Lahore, with effect from the 4th April 1938, *vice* Mr. Mul Chand and the acting arrangements *vice* Mr. Ganga Bishan published in the Bank's Notification No. 11 of the 5th April 1938, are allowed to continue.

2. Messrs. H. N. Chatterji and D. N. Chatterji are respectively appointed to act as Senior and Junior Superintendent, Reserve Bank of India, Calcutta, wih effect from the 6th April 1938 consequent on Mr. B. B. Kar having proceeded on leave.

3. Mr. N. P. Bolar is appointed to act as Senior Superintendent, Reserve Bank of India, Public Debt Office, Bombay, with effect from the 7th April 1938, consequent on Mr. W. S Desai having been posted as Senior Superintendent in another department.

MANILAL B. NANAVATI,

Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Bombay, the 13th April 1938.

In pursuance of Schedule II, Regulation 51 of the Imperial Bank of India Act, 1920, the Central Board have empowered Mr. Harbans Singh Chawla, Clerk at Khewra Salt Depot, to endorse railway receipts and execute indemnity bonds in respect of lost railway receipts on behalf of the Bank, with effect from the 30th March 1938, *vice* Mr. Jog Dhian Minocha.

W. LAMOND,

Managing Director.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE.

NOTIFICATION.

New Delhi, the 12th April 1938.

No. 2893.—Mr. K. Krishnamurthi Rao, Assistant Sugarcane Expert, is granted leave on average pay for 29 days, from 1st June 1938, preparatory to retirement.

B. VISWA NATH,

Director.

GOVERNMENT OF INDIA, MINES DEPARTMENT.

NOTIFICATION.

Dhanbad, the 11th April 1938.

No. 5934-G.—Mr. G. S. Jabbi, Assistant Inspector of Mines, has been granted earned leave for 1 month and 10 days, with effect from the 12th April 1938.

W. KIRBY,

Chief Inspector of Mines in India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on — Week-days and Saturdays from 10 A.M. to 7 P.M.; Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 23rd April 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for January 1938.

(In lakhs of Rupees.)

—	For January.		To end of January.		Whole year.	
	1936-37.	1937-38.	1936-37.	1937-38.	Accounts, 1936-37.	Revised, 1937-38.
Revenue.						
ustoms	4,69	3,92	40,23	36,92	46,85	43,93
entral Excise Duties		54		6,52		7,74
orporation Tax	1,48	7	10,03	47	13,87	1,50
axes on Income other than Corporation Tax		1,66		10,55		12,12
alt	76	68	6,98	6,79	8,38	8,35
pium	2	2	45	47	48	46
ailways—						
Gross receipts	8,85	8,97	78,53	82,19	97,32	99,83
Deduct—Working Expenses	*5,05*	*5,46*	*51,82*	*53,33*	*63,40*	*64,80*
Surplus Profits	..	..	*36*	*48*	*42*	*52*
Payments to Worked Lines	*32*	*29*	*2,42*	*2,43*	*3,02*	*3,02*
Net receipts	3,48	3,22	23,93	25,95	30,48	31,49
Subsidised Companies	1	1	12	7	16	12
Miscellaneous Railway Receipts	..	2	8	9	86	1,11
osts and Telegraphs—Net receipts	10	6	21	56	88	1,15
ther heads	30	2,15	3,04	4,70	5,43	9,28
Total	10,84	12,35	85,07	93,09	1,07,39	1,17,25
Expenditure.						
ailway Revenue Account—						
Interest and other charges	2,93	2,96	12,27	12,22	31,50	29,90
terest on Debt—Gross	4,25	4,19	32,00	31,51	35,90	35,35
duct—Amount chargeable to—						
Railways	*2,50*	*2,50*	*10,68*	*10,58*	*29,62*	*28,06*
Irrigation	..	..	..	..	*8*	*8*
Posts and Telegraphs	..	..	..	..	*79*	*72*
Commutation of Pensions	..	..	..	..	*23*	*24*
Salt and other Commercial Departments	..	..	..	..	*8*	*7*
Provincial Loans Fund	..	..	..	..	*7,97*	..
Provincial Governments	..	..	..	*1,05*	..	*4,95*
Net charges	1,75	1,69	21,32	19,88	—2,87	1,23
efence Services (Net)	3,69	4,24	35,26	39,58	44,62	47,22
r heads	2,05	2,83	20,31	23,57	40,28	38,90
Total	10,42	11,72	89,16	95,25	1,13,53	1,17,25
penditure not charged to Revenue	22	91	3,78	5,20	2,86	2,98
t Heads—						
Permanent Debt (Net) India	—2	—2	+11,71	—17	+11,70	+92
Ditto England	—70	—85	—25,20	—6,85	—25,21	—6,85
Treasury Bills (Net) India	—2,34	+2,92	+7,23	+13,55	—3,59	+6,00
Ditto England	..	..	..	..	..	..
Ways and Means Advances (Net) India	..	+2,00	..	..	..	..
Ditto England	..	..	..	..	..	..
Provincial Transactions (Net)	+4,51	..	—8,07	..	—2,24	..
Other Debt Head Transactions (Net)	+3,17	—9	+17,35	—27	+30,11	+3,67
Total	+4,62	—4	+3,02	+6,26	+10,74	+3,74
Total Transactions	+4,82	—32	—4,85	—1,10	+1,74	+76
venue less expenditure in Burma not included in the figures in columns 1936-37.	+79	..	+5,02	..	+4,35	..
Opening Balance	9,83	7,85	15,27	8,63	15,27	(*a*) 8,64
Closing Balance	15,44	7,53	15,44	7,53	21,36	9,40

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England and a respectively cancel each other.

(*a*) Excludes 12,72 lakhs on account of transfer of balances to Provinces, Burma and Aden.

NEW DELHI;
ed the 14th April 1938.

P. G. SHAH,
Accountant General, Central Revenues.

SURVEY OF INDIA.

List of maps published during the month of March 1938.

GEOGRAPHICAL, GENERAL AND SPECIAL MAPS.—Obtainable from the Officer in Charge Map Record and Issue Office, 13, Wood Street, Calcutta.

Description.	Year of survey.	Date of edition.	Number of sheets.	Size per sheet in inches.	Price.	Remarks.
SPECIAL MAPS.					Rs. AS.	
CANTONMENT PLANS.						
(*Scale 64 inches to 1 mile.*)						
†Rāwalpindi Cantonment Sadr Bāzār, Sheets Nos. 1 and 2.	1936-37	1938	2	Various	2 0 per sheet.	Second (Revised) Edition.
‡Rāwalpindi Cantonment British Infantry Bāzār, Sheets Nos. 1 and 2.	1936-37	1938	2	Do.	2 0 per sheet.	Ditto.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Index Number.	District, etc.	Year of survey.	Date of edition.	Price.	Remarks.
				Rs. AS.	Underlining for Map Catalogue :— (*a*) Double red line.
	1. QUARTER-INCH MAPS.				
	(*Scale 1 inch to 4 miles.*)				
40 B	"Nawābshāh" . . .	Various	1937	1 0	Provisional Issue.
48 J	"Kārwār"	1929-32	1937	1 8	(*a*)
*73 N	"Midnapore". . . .	1930-32	1937	1 8	(*a*)
*78 A	"Darjeeling". . . .	Various	1937	1 8	Third (Revised) edition.
	2. HALF-INCH MAPS.				
	(*Scale 1 inch to 2 miles.*)				
39 L/N.E.	Parts of Dera Ghāzi Khān and Muzaffargarh Districts and Bahāwalpur State.	1935-36	1937	2 0	(*a*)
64 K/S.E.	Parts of Raipore District, Sārangarh State and Sambalpur District.	1934-35	1937	2 0	(*a*)
72 D/S.E.	Parts of Gaya, Hazāribāgh and Palāmau Districts.	1927-28 1933-34	1937	2 0	(*a*)
	3. ONE-INCH MAPS.				
	(*Scale 1 inch to 1 mile.*)				
39 L/5	Parts of Dera Ghāzi Khān District and Bahāwalpur State.	1935-36	1937	1 8	(*a*)
43 H/12	Parts of Gujrānwāla and Gujrāt Districts.	1910-12 (corrected 1933)	1937	1 8	Second (Revised) edition.
44 P/13	Part of Hissār District . .	1932-33 1935-36	1937	1 8	Ditto.
53 C/8	Parts of Hissār and Rohtak Districts and Jīnd State.	1935-36	1937	1 8	Third (Revised) edition.

† This publication supersedes item 219 of Appendix 5 of the Map Catalogue.
‡ " " item 221 of " 5 of the "
*Gridded copies of these maps can be supplied at annas three per copy extra.

List of maps published during the month of March 1938.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta—*contd.*

Number.	District, etc.	Year of survey.	Date of edition.	Price.	Remarks.
	3 ONE-INCH MAPS (*contd.*) (*Scale 1 inch to 1 mile*).			Rs. As.	Underlining for map Catalogue :— (*a*) Double red line.
*53 F/4	Parts of Ambāla and Karnāl Districts.	1912-13	1937	1 8	Second edition.
*57 H/I	Parts of Bangalore, Mysore and Tumkūr Districts.	1914-15	1937	1 8	Ditto.
*63 B/8	Parts of Cawnpore and Fatehpur Districts.	1904-05, 1910-11	1937	1 8	Ditto.
64 O/8	Parts of Patna and Sonepur States and Sambalpur District.	1935-36	1937	1 8	(*a*)
64 O/9	Parts of Gāngpur and Raigarh States and Sambalpur District.	1935-36	1937	1 8	(*a*)
64 O/15	Parts of Sambalpur District .	1935-36	1937	1 8	(*a*)
65 M/4	Parts of Kālāhandi State and Koraput District.	1935-36	1937	1 8	(*a*) Complete map.
65 M/8	Parts of Vizagapatam and Koraput Districts	1935-36	1937	1 8	(*a*)
65 M/9	Parts of Kālāhandi State, Ganjām and Koraput Districts.	1935-36	1937	1 8	(*a*)
65 M/10	Parts of Ganjām and Koraput Districts.	1935-36	1937	1 8	(*a*)
65 M/13	Part of Ganjām District . .	1935-36	1937	1 8	(*a*)
65 M/14	Parts of Ganjām and Koraput Districts.	1935-36	1937	1 8	(*a*)
65 M/15	Ditto	1935-36	1937	1 8	(*a*) Complete map.
	(*Scale 1 inch to 1 mile.*)				
78 O/12	Parts of Khāsi and Jaintia Hills and Sylhet Districts.	1910-11	1937	1 8	Third Edition.
84 B/2	Parts of Chittagong District and Chittagong Hill Tracts.	1935-36	1937	1 8	(*a*) Complete map.
§93 C/2	Parts of Kyaukse and Sagaing Districts.	1935-36	1937	1 8	(*a*)

* Gridded copies of these maps can be supplied at annas three per copy extra.

Stock copies of the following maps were gridded during the month :—

43 C/16, 63 A/8, 63 B/5 and 63 B/15.

§ Copies of these maps are obtainable from the Curator, Government Book Depot, Rangoon, Burma.

List of maps published during the month of March 1938.

FOREST MAPS.—Obtainable from the Officer in Charge, Forest Map Office, Survey of India, Dehra Dūn.

Description.	Year of Survey.	Date of edition.	No. of sheets.	Size per sheet in inches.	Price Un-coloured	Remarks.
					Rs. as.	
FOREST MAPS.						
(Scale 4-inches to 1 mile).						
Burma Sheet No. 203 S. E/2 Yamethin District.	1898-99 / 1899-1900	1937	1	41×26	3 0	Third (New) Edition.
Do. No. 203 S. E/4 ditto	1897-98	1937	1	41×29	3 0	Second (New) Edition.
Do. „ 205 N. E/2 ditto	1895-96	1937	1	41½×27	3 0	Third Edition.
Do. „ 251 S. W/1 ditto	1895-96-97	1937	1	41×29	3 0	Ditto.
Do. „ 282 N. W/2 Möng Mit State.	1899-1900	1937	1	4½×29	3 0	Second (New) Edition.
LANSDOWNE FOREST DIVISION.						
Sheet No. 1 Garhwāl District	1882-84	1937	1	40½×30	1 8	Third Edition.
„ „ IX Do.	1882-83	1937	1	40½×30	1 8	Ditto.

C. G. LEWIS, *Brigadier*,
Surveyor General of India.

SURVEY OF INDIA.

Office of the Director, Geodetic Branch.

NOTIFICATIONS.

Dehra Dun (U. P.), the 11th April 1938.

No. 2.—Mr. Kabir Ahmad Sheikh, B.Sc., Extra Assistant Superintendent, Survey of India, is granted under the Revised Leave Rules, earned leave for 90 days, with effect from the 18th April 1938 or subsequent date of availing.

C. M. THOMPSON,
Colonel,
Director, Geodetic Branch,
Survey of India.

Office of the Director, Frontier Circle.

Simla, the 19th April 1938.

No. 1.—Mr. Tirlochan Singh, C.E., Extra Assistant Superintendent, Survey of India, is granted under the Revised Leave Rules 1933, earned leave for 30 days, with effect from the 16th May 1938, with permission to prefix Sunday the 15th May 1938 to his leave.

J. D. CAMPBELL,
Colonel,
Director, Frontier Circle.

CENTRAL PUBLIC WORKS DEPARTMENT.

MEMORANDUM.

New Delhi, the 14th April 1938.

No. 01627-E.—K. B. Mohd. Zahiruddin Ahmed Faruqi, I.S.E, is granted under Fundamental Rule 81 (b) (i) leave on average pay in India for five months combined with leave on half average pay for one months in extension of the leave for three months, from 13th December 1937 granted in this office Memorandum No. 01627-E., dated the 18th January 1938.

A. BREBNER,
Chief Engineer.

OFFICE OF THE CONTROLLER OF PRINTING AND STATIONERY, INDIA.

NOTIFICATION.

New Delhi, the 11th/14th April 1938.

No. 1/3/37-G.—Mr. C. F. W. B. Wilkins, Assistant Manager, Government of India Press, Calcutta, is appointed to officiate as Manager, Forms Press, Calcutta, with effect from the 26th March 1938, *vice* Mr. J. H. Golder, appointed to officiate as Deputy Controller, Stationery, Calcutta.

C. F. WEAKFORD,

Controller of Printing and Stationery, India.

ROYAL INDIAN NAVY.

NOTIFICATION.

LEAVE

Bombay, the 12th April 1938.

No. 42.—Engineer-Lieutenant J. L. Rogers, R.I.N., is granted 12 months' absence from India, from 9th April 1938. First two months will reckon as privilege leave and balance on private affairs except time spent on instructional courses.

HERBERT FITZHERBERT.

Rear-Admiral,
Flag Officer Commanding,
Royal Indian Navy.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 12th April 1938.

No. S.-100/4.—Mr. T. J. S. Manser, Divisional Engineer, Telegraphs, Lucknow, is granted leave on average pay out of India for 5 months and 23 days, with effect from the 1st May 1938, preparatory to retirement.

No. S.-100/6.—Mr. W. E. Harwood, B.Sc. (Eng.), Divisional Engineer, Telegraphs, Coimbatore, is granted leave on average pay for 28 days, with effect from the 2nd May 1938 or the date of his relief.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 19th April, 1938.

No. 13-An.—The undermentioned Deputy Assistant Controllers of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, have been granted extensions of leave as noted against their names:—

Mr. I. D. Abbey.—Four months combined leave on medical certificate with effect from the 20th March 1938, consisting of privilege leave for 2 days and furlough on full average salary for the remaining period.

Mr. D. R. Lawrence.—Privilege leave for 3 months with effect from the 2nd April 1938.

No. 14/An.—Mr. H. L. Wadera, Assistant Controller of Military Accounts, Southern Command, Poona, is granted 40 days earned leave from the 19th April 1938 to the 28th May 1938, with permission to prefix the Easter Holidays from the 15th to the 18th April 1938.

Simla, the 20th April 1938.

No. 15/An.—Major R. K. Neale, Assistant Controller of Military Accounts, Northern Command, is granted combined leave *ex*-India for six months, with effect from the 19th April 1938 consisting of privilege leave for 23 days, furlough on full average salary for 4 months and 15 days and furlough on half average salary for 22 days, with permission to prefix the Easter Holidays, from the 15th to the 18th April 1938.

J. PARLBY,

Military Accountant General.

GOVERNMENT OF INDIA.

OFFICE OF THE CONTROLLER OF BROADCASTING.

NOTIFICATION.

New Delhi, the 20th April 1938.

No. F. 3 (53)-E./38.—Mr. J. K. Mehra, on the expiry of the leave granted to him in the Communications Department, Notification No. K. 409, dated the 31st March 1938, assumed charge of the office of Assistant Station Director, All-India Radio, at Calcutta on the forenoon of the 23rd March 1938.

LIONEL FIELDEN,

Controller of Broadcasting.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 12th April 1938.

No. E. P.-449.—Mr. D. D. Cruickshank, Assistant Executive Engineer, junior scale, has been granted 114 days privilege leave combined with 2 months and 10 days furlough on full pay out of India, with effect from the 14th April 1938 or subsequent date of relief.

Calcutta, the 14th April 1938.

No. S. E.-7.—Mr. H. W. Monks, Officiating Assistant Track Supply Officer Lower Gazetted Service has been granted 2 months and 19 days leave on average pay prior to retirement, with effect from the 12th April 1938.

Calcutta, the 19th April 1938.

No. OPE.-660-P. 7.—Mr. G. H. McIntyre, Assistant Superintendent, Lower Gazetted Service, Transportation (Traffic) and Commercial Department, has been granted four months privilege leave combined with one year and six months furlough on half pay prior to retirement in India, with effect from the 13th April 1938.

J. A. BELL,

Agent.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 11th April 1938.

No. 46.—Mr. F. J. deSouza, Personal Assistant to Chief Engineer, is granted leave on average pay for one month, with effect from 23rd March 1938.

C. F. CARSON,

Lt.-Col., R.E.,

Agent.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, APRIL 30, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, IA, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Parts I, II, III, IV, V, & Supplement	37	0	0	11	8	0
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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 30th April 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

April 19, 1938.

25128. The Aluminium Plant and Vessel Company Limited. Improvements in or relating to methods of and means for operating plate heat exchange apparatus. (April 19, 1937.)

25129. V. B. Kulkarni. Improvements relating to the locking device in steel furniture such as iron cots and the like.

25130. C. Venkatasubbaiah. Sree Maruthi Water Lift.

25131. A. S. Deshpande. An apparatus to demonstrate planetary movements with special reference to those of the Earth and its accompanying phenomena.

25132. J. Luckhardt and A. Lorenz. Adjustable chair for sitting and reclining purposes.

25133. A. G. Hillman. Production of cinematographic effects in colour and means therefor.

25134. Pinchin Johnson & Company Limited and E. A. Bevan. Improvements in or relating to the manufacture of coating or impregnating compositions having an aqueous vehicle. (May 6, 1937).

25135. Pinchin Johnson & Co. Ld., and E. A. Bevan. Improvements in or relating to rubber compositions. (May 6, 1937).

25136. Pinchin Johnson & Co. Ld., and E. A. Bevan. Improvements in or relating to new compositions of a resinous nature. (May 6, 1937.)

25137. Pinchin Johnson & Co., Ld., E. A. Bevan and J. R. Tervet. Improvements in or relating to synthetic resinous compositions. (May 6, 1937).

25138. F. Ringer. Improvements in automatic cigar and cigarette lighters.

25139. Chemical Works formerly Sandoz. Process for the preparation of Inoculation Material.

25140. Societe Anonyme "S. I. C. A. A." Societe Industrielle Constructions Antiaeriennes Antigaz. Improvements relating to ventilation particularly as protection against poisonous gas and the like.

25141. N. V. Stoom-Meelfabriek "Holland", Device for counting and recording sacks, rags and similar packing means filled with a material of some kind.

25142. Marconi's Wireless Telegraph Company, Limited. Improvements in or relating to aerial feed and aerial tuning circuit arrangements. (April 15, 1937).

25143. N. F. Brown. Improved method of and apparatus for raising natural oils and other liquids by gaseous pressure. (April 19, 1937.)

25144. Thomas Summerson & Sons Ld., and S. S. Wrightson. Improvements in and relating to hand-controlled switch boxes for railways, tramways and the like. (October 12, 1937).

25145. Crima S. A. Improvements in and relating to processes for converting ethylalcohol into a combustible volatile liquid containing ether. (June 16, 1937.)

25146. N. Phillips. Improvements in or relating to the securing of rails to sleepers. (June 28, 1937).

25147. Saml. Hanson & Son, Ld. Improvements in the manufacture of tins or sheet metal containers, cans and the like.

25148. J. J. Munson. Rolling Mills.

25149. W. S. Freeman. Improvements in or relating to stoppers for carboys, bottles, caus and like containers.

25150. Meehanite Metal Corporation and O. Smalley. Improved process of and apparatus for the manufacture of cast iron.

25151. Meehanite Metal Corporation and O. Smalley. Improved manufacture of cast iron.

25152. N. V. De Bataafsche Petroleum Maatschappij. Electrical method of geophysical exploration.

25153. Vereinigte Gluhlampen Und Elektrizitats Aktiengesslschaft. Process for the production of high filling gas pressures in electric incandescent lamps and discharge lamps.

25154. S. Junghans. Improvements in or relating to a method of treating Molten substances, such as metals.

April 20.

25155. Asa Singh. Improvements in or relating to liquid raising means.

25156. The General Electric Co. Ld. Improvements in protective devices for electric incandescent lamps. (May 10, 1937).

25157. J. J. Denny and W. D. Robson. Method of neutralizing the condition producing qualities of finely pulverized silicious materials. (June 18, 1937).

25158. K. Otto. Four-links chain mechanism with two-armed link-motion.

25159. Skylux Ld., and G. D. Villierx. An improved camp bed or longue.

April 21.

25160. M. Kanakaratnam. Improved process for the recovery of alumina and other by-products.

April 22.

25161. Insulatus A. G. Process and apparatus for enamelling or varnishing wires.

25162. Insulatus A. G. Process and device for wiping excessive coating material from wires.

25163. Insulatus A. G. Drying oven for varnished or enamelled wires.

25164. Callender's Cable and Construction Co. Ld. A process for treating cellulosic materials such as paper and fabrics to make them resistent to water. (May 24, 1937).

25165. Callender's Cable and Construction Co. Ld. Improvements in the manufacture of electric cables. (May 24, 1937).

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23866. Bakelite Ld. Improvements in or relating to drying oil compositions. (March 4, 1937). *Heating a drying oil and a soluble resin with catalysts until solubility of the product in acetone is in excess of 30 %.*

23897. Elektro-Thermit G. m. b. H. Improved process and apparatus for preheating rails or the like which are to be welded. *Fuel and combustion air introduced in an unburnt state and caused to burn inside the mould.*

23916. Whitelegg & Rogers Ld. Improvements in or relating to firedoors for locomotives and the like. [Addition to No. 17856]. *Foot Manual control with the pedal located on either side of the back plate.*

23922. Edeleanu-Gesellschaft m.b.H. A process for improving illuminating oils. *Fractions boiling above 240°C treated with selective solvents and the resulting raffinate mixed with fractions boiling below 240°C.*

24007. W. W. Willis. Improvements in machines for sorting, grading, separating and purifying seeds, grain and cereals or grits from maize, rice, or other granular and pulverulent substances, such as semolina, middlings and dust from wheat, as principally used in flour mills. *Sieves, troughs, and expansions chambers with parts and valves contained in a casing supported from above or below by steel supports provided with angle iron shoes.*

No. 24053. Alma Motor Co. Improvements in or relating to transmissions, particularly four wheel drive transmissions. *Housing having two compartments for transmission and transfer gearings and means for driving front wheel shaft from said transfer gearing.*

24184. W. E. Woodard. Improvements in or relating to engine valve gear, particularly locomotives valve gear. *Operated. through links from cross-heads of piston rods situated on either side.*

24244. S. N. Sett. Improved stencil plates. *Each character is formed by two stencil plates one cut in those portions where the other is not.*

24390. (?) G. Roés. Progressive acting change-speed gear for bicycles. *Case with radial groves, free wheel elements, intermediate movable plate and receiving ring fixed to wheel hub.*

24454. G. L. Mehta and C. S. Jolly. Improvements in or relating to liquid raising means. *Composite layers of canvas and metal discs riveted with clamps for connection to the chain links.*

24539. Joseph Crosfield and Sons Ld. Improvements in the decolourisation of sewage effluents, trade wastes and the like. (November 5, 1936). *Subjecting the contaminated water to be absorbing action of sulphonated coal.*

24555. T. F. Winmill and J. J. Kirwan. Improvements in or relating to tips for cigarettes. (June 4, 1937). *Finely powdered cork secured to a strip of paper by suitable adhesive.*

24564. Reklamaktiebolaget Epok. Circuit arrangement for photo-electic control of gas discharge valves. (April 27, 1937). *Auxiliary voltage applied to grid to give a small control range.*

24598. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to election discharge tubes. *Insulating and electron emmisive layers on conducting base.*

24602. E. R. Mountstephen, W. J. Wood and A. G. Spence. Improvements in automatic burglar and fire alarms. (November 4, 1936). *Tone arm of gramophone is interconnected to telephone transmitter by enclosed casing having sound insulating material.*

24623. Y. Bjorck. Improvements in locks. *Lock mechanism is disposed away from keyhole and key is transferred from inserting position to locking position.*

24664. Executors of James Mills, Ld. Improvements in or relating to split metal bushes or the like. *Made of spring steel.*

24781. Society of Chemical Industry in Basle. Process for the manufacture and purification of compounds of the suprarenal cortical hormone series. *Converting into the ester or ether derivatives and treating with saponifying agents.*

24789. Universal Oil Products Co. Process for producing hydrocarbons of high anti-knock value and boiling within motor fuel boiling range. *Subjecting gaseous hydrocarbons to catalytic polymeristion conditions and removing the excess heat produced in the exothermic reaction.*

24808. B. Blakemore and The Lancashire Metal Subliming Corporation Ld. Improvements in or relating to the low temperature distillation of liquid or solid carbonaceous material. *Subjecting material under reduced pressure and in absence of oxygen to the action of high frequency electrical induction upon a conductor within the material.*

24809. N. V. De Bataafsche Petroleum Maatschappij. Process for the manufacture of high-pressure lubricants. *Addition of of hydroxy and carboxyl groups containing carbo cyclic compound to numeral lubricants.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23552. Kadenacy and Armstrong Whitworth Securities Company Limited.
23634. Universal Oil Products Co.
23763. Arifuddin.
23772. Auto Union A-G.
23780. Andrews.
23796. International General Electric Co. of New York, Ld.
23822. International General Electric Co. of New York Ld.
23921. Richardson.
23960. Callendar's Cable and Construction Co. Ld.
24036. Longinotti.
24061. du Roy de Blicquy.
24151. Dr. Bekk & Kaulen Chemische Fabrik G. m. b. H.
24272. International General Electric Co. Inc.
24273. International General Electric Co. Inc.
24277. Mabie, Todd & Co., Ld.
24284. Swiss Lamps and Hardware Co. Ld.
24310. E. I. Du Pont De Nemours and Co.
24358. The Kassipur Company, Limited.
24359. The Kassipur Company, Ld.
24406. Kansara.
24434. Shackles Proprietary Limited.
24435. Calender's Cable and Construction Company Limited.
24474. Naamlooze Vennootschap : W. A. Scholten's Chemische Fabrieken.
24489. Dr. C. Otto & Comp. G. m. b. H.
24490. Scci ta' Anonima Manifattura di Altessano.
24495. L. S. Davar & Co.
24526. British Acoustic Films, Ld.
24530. "Pertrix" Chemische Fabrik Aktiengesellschaft.
24570. Society of Chemical Industry in Basle.
24610. Dunlop Rubber Co. (India) Ld.
24611. Dunlop Rubber Co. (India) Ld.
24630. Pandloskar and Pandloskar.
24637. Lodetti, Negrini and Sbarberi.
24638. Callender's Cable and Construction Co Ld.
24652. Harbord and Harbord.
24658. Hugo Schneider Aktiengesellschaft.
24665. Honda.
24673. Davidson & Co. Ld.
24677. Jeffcock.
24697. The Franco-British Electrical Co. Ld. and Brackensey.
24698. Non-Drip Measure Co. Ld., Berwick and Berwick.
24703. Siemen and Hinsch.
24712. The Rawlplug Co., Ld.
24716. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny & Cirey.
24726. The Burmah Oil Co., Ld.
24727. Society of Chemical Industry in Basle.
24730. Pratt.
24732. Universal Oil Products Co.
24737. Marconi's Wireless Telegraph Co., Ld.
24755. Le Neve Foster.
24964. I. G. Farbenindustrie Aktiengesellschaft.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23492. Banga Pratisthan.
23499. Courtaulds, Ld.
23556. Jefferies and Pierce, Leslie and Company Limited.
23943. Carrier Corporation.
23968. Madieu.
23998. Universal Oil Products Co.
24110. Universl Oil Products Co.
24127. Deal and Mowson.
24199. Amichand.
24288. Dewanchand & Sons.
24290. Newcon Industries Ld.
24299. Loibl.
24313. International General Electric Co. Inc.
24326. Jones & Attwood, Limited.
24336. Marconi's Wireless Telegraph Company, Limited.
24351. Borch and Middleboe.
24361. Magnesium Metal Corporation. Limited.
24393. Remfry.

Patents Sealed.

23230. Srinivasan.
23469. Athalye.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

Nos. 19195, 21660, 22189 and 22270. The chloride Electrical Storage Co. Ld.

Renewal Fees Paid

PATENTS.

9337. Seaborne. (To 28th May 1939).
10428. The Superheater Co. (To 23rd June 1939).
11419. Guest Keen & Nettlefolds Ld., and anr. (To 5th May 1939).
12203. Her Dave. (To 17th April 1939).
12227. Societe Francaise De Filetage Indesserrable D. D. G. (To 26th April 1939).
12321. Boyd and ors. (To 2nd June 1939).
12426. Pirelli and C. (To 22nd July 1939).
12427. Pirelli & C. (To 22nd July 1939).
12792. Newborn and ors. (To 7th July 1939).
13304. Cumberland. (To 6th June 1939).
13324. Dr. Lilienfeld. (To 9th June 1939).
13350. Electrical Research Products Inc. (To 20th June 1939).
13383. Electrical Research Products Inc. (To 27th June 1939).
14328. I. G. Farbenindustrie Aktiengesellschaft. (To 30th April 1939).
14352. The National Benzole Association. (To 7th May 1939).
14598. Gawthropp (To 19th July 1939).
14932. Montan und Industrialwerke vormals Joh Dav Starck. (To 7th September 1939).
15529. The Hume Pipe Co. (South Africa) Ld. (To 26th April 1939).
15793. Elkington. (To 21st May 1939).
15804. McLean. (To 27th May 1939).
15819. Structural Steelcrete Ld. (To 29th May 1939).
15863. Dr.Lilienfeld. (To 11th June 1939).
16004. International General Electric Co. Inc. (To 15th July 1939).
16934. Indian Air Survey & Transport Ld. (To 26th April 1939.)
17061. Standard Telephones & Cables Ld. (To 9th June 1939).
17062. Standard Telephones & Cables Ld. (To 9th June 1939).
17138. Rotinoff. (To 29th June 1939).
17191. Robinson. (To 26th July 1939).
17209. International General Electric Co. Inc. (To 21st July 1939.)
18006. Bolt and anr. (To 4th May 1939).
18087. The Superheater Co. Ld. (To 6th June 1939).
18088. The Superheater Co. Ld. (To 17th June 1939).
18089. The Superheater Co. Ld. (To 17th June 1939).
18114. Namlooze Vennootschap Irma Industrie en Reewmaterialen Maatschappij. (To 15th June 1939).
18118. Reader. (To 15th June 1939).
18121. The Superheater Co. Ld. (To 15th June 1939).
18285. Societa Italiana Pirelli. (To 21st July 1939).
18448. Hoare. (To 7th November 1939).
18845. Wynn-Williams. (To 1st June 1939).
18914. Moore. (To 30th April 1939).
18918. The Superheater Co. Ld. (To 29th June 1939).
18920. Kilner. (To 2nd May 1939).
18921. Kilner. (To 2nd May 1939).
18944. Wills and anr. (To 29th June 1939).
18973. Crabtree. (To 30th May 1939).
18975. "Benzelius" Metallhutten Gesellschaft mit beschrankter Haftung. (To 11th June 1939).
19217. Braithwaite & Co. Engineers Ld. (To 20th September 1939).
19598. Saint Jacques. (To 23rd January 1939).
19774. Imperial Chemical Industries Ld. (To 3rd April 1939).
19846. Reddi and anr. (To 22nd April 1939).
19850. Sinha. (To 24th April 1939).
19870. Activated Sludge Ld. (To 1st May 1939).
19872. Gill. (To 30th May 1939).
19883. Calloy Ld., and anr. (To 8th May 1939).
19907. Christensen. (To 25th May 1939).
19911. Universal Oil Products Co. (To 15th May 1939).
19937. Roy Pitcairn. (To 22nd May 1939).
19938. Roy Pitcairn. (To 22nd May 1939).
19948. Christensen. (To 26th May 1939).
19949. Christensen. (To 27th May 1939).
19950. Christensen. (To 27th May 1939).
19958. Compania Anonima Statie. (To 29th May 1939).
19969. Pomilio. (To 29th May 1939).
19978. The Indian Hume Pipe Co. Ld. (To 2nd June 1939).
20671. Pande. (To 8th March 1939).
20788. Prof. Ir. Hudig and anr. (To 16th April 1939).
20808. Owen and anr. (To 1st May 1939).
20850. Universal oil Products Co. (To 7th May 1939).
20861. Lebre. (To 14th May 1939).
20867. Activated Sludge Ld. (To 14th May 1939).
20894. Lebre. (To 28th May 1939).
20941. N. V. Dictator Deursluiter mij. (To 12th June 1939).
21043. International General Electric Co. Inc. (To 26th July 1939).
21531. Boot's Pure Drug Co. Ld. (To 26th June 1939).
21848. N. V. Naamlooze Venootschap Athano. To 9th May 1939).
21920. Boot's Pure Drug Co. Ld. (To 26th June 1939).
21939. Zublin. (To 20th June 1939).
21949. Electrical Reserach Products Inc. (To 20th June 1939).

Cessation of Patents.

10000. Alexander and anr.
10001. Alexander and anr.
10002. Alexander and anr.
13981. d'Halloy.
17684. Gossel.
18662. The Vulcan Asbestos Cement Co. Ld.
18670. Patel.
19570. Pande.
19580. I. G. Farbenindustrie Aktiengesellschaft.
20534. Murray & anr.
20537. Staheli.
21522. The Lakeland-Baines Patent Proprietary Co. Ld.
21537. Dreyfus.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 1. No. 62651. Gangadhar Shankarrao Ambekar, of 169, Vethal Peth, Poona city, Bombay, British India. October 25, 1937.

Class 13. Nos. 63224 and 63225. D. Chandramouly & Brothers, Chirala, Madras Presidency, British India. April 1, 1938.

Class 13. No. 63241. The New Shorrock Spg. & Manufacturing Co. Ltd., of Nadiad, (District-Kaira), Bombay Presidency, British India. April 9, 1938.

Extension of Copyright in Designs.

Copyright in the following design has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of the entry is the date of registration of the design included in the entry:—

Class 13. No. 33520. The Bombay Co. Ld., of 8 Lyons Range, Calcutta, British India. May 19, 1928.

Copyright in the following design has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of the entry is the date of registration of the design included in the entry :—

Class 3. No. 56788. Societa' Italiana Pirelli, of Via Fabio Filzi 21, Milan, Itlay. May 22, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Contrcller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available:—

BANGALORE . . . Indian Institute of Science.

Do. . . . Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.

BARODA . . . Department of Commerce and Industries.

BERLIN . . . The Reich Patent Office.

BOMBAY . . . Office of the Director of Industries.

CALCUTTA . . . Patent Office, No. 1, Council House Street.

CAWNPORE . . . Harcourt Butler Technological Institute.

DACCA . . . Sadar Registration Office.

DELHI . . . Office of the Superintendent of Industries.

LAHORE . . . Punjab Public Library.

LUCKNOW . . . Amiruddaula Public Library.

MADRAS . . . Record Office, Egmore.

Do. . . . College of Engineering.

PATNA . . . Office of the Director of Industries, Bihar and Orissa.

POONA . . . Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.

RANGOON . . . Office of the Chief Secretary, Home and Political Department, Government of Burma.

WASHINGTON (U. S. A.). . . The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON . . . Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Cawnpore, the 21st April 1938.

Portions of the following note of the Cawnpore Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person/party who consider(s) himself/themselves as having a right to it is/are warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
T/27-372955	100	Mohammad Ishaq, Hiraman ka Purwa, Hamza Manzil, Cawnpore.

M. N. BHATTACHARYYA,

for Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, CAWNPORE.

Lahore, the 22nd April 1938

Portions of the following notes of the Lahore Office of Issue are stated to have been destroyed, and payment of their value has been claimed by the person whose name is shown against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Notes.	Value.	Name of claimant.
		Rs.	
W.D. 3 of 1938	T/35-160608	100	Mr. Shib Lal, Terminal Tax Collecting Officer, Municipal Committee, Delhi.
	T/35-160609	100	
	T/35-853619	100	

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, LAHORE.

MUL CHAND,
Currency Officer.

Calcutta, the 25th April 1938.

Portions of the following notes of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of their value has been received from the person whose name is shown against the numbers. Any other person/party who consider(s) himself/themselves as having a right to them is/are warned to communicate at once with the undersigned.

Case No.	Number of Notes	Value.	Name and address of the applicant.
		Rs.	
W.D. 10 of 1938.	S/69-016661 S/52-968783	100 each.	Pandit Ram Prasad, Mohalla Shewpuri, Mutasil Husainabad, P.O. Chauk, Lucknow.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

S. GUPTA,
Currency Officer.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

New Delhi, the 27th April 1938.

The following is a statement of the cash balances of the Central and the Provincial Governments on the last day of March 1938 :—

	Rs.
(1) At the Reserve Bank of India in India	17,71,87,000
(2) At treasuries in India . .	1,90,44,000
(3) In England (Sterling converted at 18*d*. the Rupee) . .	95,97,000
TOTAL .	20,58,28,000

P. G. SHAH,
Accountant General, Central Revenues.

OFFICE OF THE ACCOUNTANT GENERAL POSTS AND TELEGRAPHS.

New Delhi, the 20th April 1938.

Statement showing the amounts realised and paid in each of the Postal Circles on account of Post Office 5-Year Cash Certificates, during February 1938, and the amounts outstanding at the end of the month.

[In thousands of rupees.]

Name of Postal Circle.	Cash realised from sales.	Amount repaid. Principal	Amount of Principal outstanding.
	Rs.	Rs.	Rs.
Bengal and Assam .	16,55	22,99	11,22,44
Bihar and Orissa .	3,93	4.30	2,29,57
Bombay . .	22,95	27,03	16,31,93
Central . . .	6,31	6,68	4,21,33
Sind and Baluchistan	5,82	4,64	2,64,47
Punjab and N.-W. F.	16,68	18,79	11,20,77
United Provinces	13,02	13,89	3.38,72
Madras . . .	4,37	7,57	3,[illegible]6,45
Burma . . .	—4	7,00	1,17,77
TOTAL FEB. 1938 .	89,59	1,12,89	60,53,45
TOTAL FEB. 1937 .	92,75	1,10,39	65,00,17
TOTAL FEB 1936 .	1,31,12	1,38,44	66,19,[illegible]6

K. R. S. RAU,
Accountant General, Posts and Telegraphs.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATIONS.

Bombay, the 25th April 1938.

No. 13.—1. Mr. P. D. Saxena is appointed to act as a Junior Superintendent, Reserve Bank of India, Issue Department, Cawnpore, with effect from the 11th April 1938 *vice* Mr. H. P. Mathur proceeded on leave.

2. On return from leave Mr. H. Pereira is reposted as a Junior Superintendent, Reserve Bank of India, Issue Department, Calcutta, with effect from the 8th April 1938 *vice* Mr. S. K. Bhattacharjee reverted.

3. Mr. Mul Chand is appointed Currency Officer, Reserve Bank of India, Issue Department, Lahore, with effect from the afternoon of the 15th April 1938 *vice* Mr. A. K. Roy.

4. Mr. S. R. Shiraly is appointed to act as a Junior Superintendent, Reserve Bank of India, Bombay, with effect from the 19th April 1938 *vice* Mr. A. D. Prabhu transferred to the Reserve Bank of India, Issue Department, Bombay.

Bombay, the 22nd April 1938.

No. 14.—1. Messrs. D. K. Bose, B. B. Mukherjee and S. K. Bhattacharjee are appointed respectively to act as Assistant Currency Officer, Senior Superintendent and Junior Superintendent, Reserve Bank of India, Issue Department, Calcutta, with effect from the 19th April 1938, consequent on Rai Sahib N. L. Chakravarti having proceeded on leave.

2. Mr. Bhagwati Pershad Bhargava is appointed to act as Junior Superintendent, Reserve Bank of India, Delhi, with effect from the 19th April 1938, *vice* Mr. Said Ahmed proceeded on leave.

MANILAL B. NANAVATI,

Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Bombay, the 20th April 1938.

In pursuance of Schedule II, Regulation 51, of the Imperial Bank of India Act, 1920, the Central Board has sanctioned the following alterations to be made in the notification dated 10th January 1938 published in the *Gazette of India* of the 22nd January 1938 giving the signing powers which the incumbents of the various posts in the Bank are authorised to exercise:—

Alter paras. 2 and 3 to read respectively:—

"2. *To sign receipts and to endorse cheques and drafts*:—

Assistant Accountants at Local Head Offices and Branches.

Staff Assistants at Local Head Offices and Branches.

Sub-Accountants and Acting Sub-Accountants at Local Head Offices and Branches."

"3. *To receipt government credit vouchers for amounts not exceeding Rs. 500*:—

Probationary Assistants and Head Clerks at such Branches and Sub-Branches as the Local Boards may notify in the Local Official Gazette."

W. LAMOND,

Managing Director.

SURVEY OF INDIA.

Office of the Director, Frontier Circle.

NOTIFICATION.

Simla, the 27th April 1938.

No. 2.—Khan Sahib Muhammad Hassan, Extra Assistant Superintendent, Survey of India, is granted under Fundamental Rules leave on average pay for one month with effect from the 2nd May 1938 with permission to prefix Sunday, the 1st May 1938, to his leave.

J. D. CAMPBELL,

Colonel,

Director, Frontier Circle.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATION.

P. O. New Forest (Dehra Dun), the 21st April 1938.

No. 519.—Mr. Ram Das Tandan, Mechanical Engineer, Utilisation Branch, Forest Research Institute, Dehra Dun, is granted leave on average pay for one month and 13 days with effect from the 19th April 1938 with permission to prefix the Kumbh and the Easter holidays (13th to 18th April 1938).

L. MASON,

Inspector General of Forests.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATION.

New Delhi, the 21st April 1938.

No. 02193-E.—On transfer from the Government of Bengal, Mr. A. Percy Lancaster was appointed as Assistant Superintendent, Horticultural Operations, New Delhi, on a pay of Rs. 250 p. m. in the scale of Rs. 250—25—400 E. B.—25—500 on probation for a period of one year with effect from the forenoon of the 11th April 1938.

A. BREBNER,

Chief Engineer.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI.

NOTIFICATION.

New Delhi, the 21st April 1938.

No. 3091.—Mr. R. Thomas, Botany Assistant on the establishment of the Sugarcane Expert, is appointed to officiate as Assistant Sugarcane Expert, *vice* Mr. K. Krishnamurthi Rao granted leave, preparatory to retirement, in this office Notification No. 2893, dated 12th April 1938.

B. VISWA NATH,

Director.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M. Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 30th April 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

IMPERIAL VETERINARY RESEARCH INSTITUTE, MUKTESAR.

NOTIFICATION.

Mukteswar-Kumaun, U. P., the 21st April 1938.

No. G./631.—The services of Mr. N. C. Das Gupta, officiating Assistant Physiological Chemist, Animal Nutrition Section, Imperial Veterinary Research Institute, Izatnagar, are placed at the disposal of the Government of the United Provinces with effect from the afternoon of the 7th April, 1938.

Mr. N. Krishna Ayyar, Assistant, Animal Nutrition Section, is appointed to officiate as Assistant Physiological Chemist from the same date until further orders.

F. WARE,

Director.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS

Simla, the 25th April 1938.

No. 16-An.—Mr. Monohar Lal Behl, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, reverted to his substantive grade on the afternoon of the 11th September 1937. He was reappointed to officiate as a Deputy Assistant Controller of Military Accounts in that office with effect from the forenoon of the 13th September 1937.

No. 17-An.—Mr. A. P. Banerjee, a Deputy Assistant Controller of Army Factory Accounts in the office of the Controller of Army Factory Accounts, is granted an extension of privilege leave from 13th March 1938 to 26th March 1938.

No. 18-An.—Mr. K. S. S. Iyer, an officiating Deputy Assistant Controller of Army Factory Accounts in the office of the Controller of Army Factory Accounts reverted to his substantive grade with effect from the afternoon of 26th March 1938.

No. 19-An.—Mr. M. L. Chowdhury, an Accountant in the office of the Controller of Army Factory Accounts, has been appointed to officiate as a Deputy Assistant Controller of Army Factory Accounts in that office with effect from the forenoon of the 8th April 1938.

J. PARLBY,

Military Accountant General.

ROYAL INDIAN NAVY.

NOTIFICATIONS.

LEAVE.

Bombay, the 19th April 1938.

No. 43.—Commander G. V. G. Beamish, R. I. N., is granted 4 months' combined leave out of India, on private affairs, with effect from 16th April 1938. The first two months will reckon as privilege leave.

Bombay, the 27th April 1938.

No. 44.—Captain T. M. S. Milne-Henderson, O.B.E., R.I.N., J.P., is granted 6 months' combined leave, out of India, on private affairs, with effect from 22nd April 1938. The first 2 months will reckon as privilege leave.

APPOINTMENTS.

No. 45.—Commander P. A. Mare, R.I.N., is appointed officiating Captain Superintendent H.M.I. Naval Dockyard, Bombay, with effect from 22nd April 1938.

No. 46.—Lieutenant-Commander W. R. Shewring, R.I.N., is appointed Staff officer (Operations) on the Staff of the Flag Officer Commanding, Royal Indian Navy, with effect from 22nd April 1938.

No. 47.—Lieutenant-Commander J. W. Jefford, R.I.N., is appointed Commander of the Dockyard, H.M.I. Naval Dockyard, Bombay, with effect from 22nd April 1938.

HERBERT FITZHERBERT,
Rear-Admiral,
Flag Officer Commanding,
Royal Indian Navy.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 19th April 1938.

No. S.-107/2/37.—Mr. W. H. Terry, Deputy Assistant Engineer, Telegraphs, Grade A, is appointed substantively as Assistant Engineer, Telegraphs, with effect from the 28th February 1938.

Mr. J. N. deSouza, Deputy Assistant Engineer, Telegraphs, Grade B, is appointed substantively as Deputy Assistant Engineer, Telegraphs, Grade A, with effect from the 7th February 1938.

New Delhi, the 20th April 1938.

No. S.-134/3.—Mr. A. E. Bettesworth, Deputy Assistant Engineer, Wireless, Grade B, is appointed as Deputy Assistant Engineer, Wireless, Grade A. on probation for one year with effect from the 14th March 1938.

The following Wireless Supervisors are appointed as Deputy Assistant Engineers, Wireless, Grade B, on probation for one year with effect from the dates noted against each:—

Mr. C. Todman. 3rd February 1938.

Mr. T. H. Marsh. 14th March 1938.

New Delhi, the 23rd April 1938.

No. S.-177/9.—Mr. S. E. M. Littlewood, an officer of the Telegraph Traffic Service, class II, attached to the Madras Circle, is permitted to retire from service with effect from the 18th September 1938.

G. V. BEWOOR,
Director-General of Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 8th April 1938.

No. 670-A./2-E./4-C. T.—Mr. K. C. Goswamy, B.L., Superintendent of Surveys is appointed to act as the Income-tax Officer, Companies District II, Calcutta, *vice* Mr. F. A. Robertson appointed to act as the Assistant Commissioner of Income-tax, Range No. VI with effect from the afternoon of the 12th April 1938 or any subsequent day on which he may take over.

Calcutta, the 9th April 1938.

No. 699/2-E./57-C. T.—Mr. S. L. Nandi, B.A., Income-tax Officer, Hooghly is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for two months with effect from the 5th April, 1938 with permission to affix Sunday, the 5th June, 1938 to the leave.

No. 706/2-E./50-C. T.—Mr. W. A. Phillippe, F.C.R.A., Assistant Commissioner of Income-tax, Range No. I, Calcutta is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 3 months with effect from the 19th April, 1938 with permission to prefix the Easter holidays from the 15th April, 1938 to the 18th April, 1938 to the leave.

No. 710/2-E./4-C. T.—Mr. J. C. Gupta, B.A., Assistant Commissioner of Income-tax, Range No. III is appointed to act as the Assistant Commissioner of Income-tax, Range No. I *vice* Mr. W. A. Phillippe, F.C.R.A. granted leave.

2. Mr. S. Ahmed, M.A., Assistant Commissioner of Income-tax, Range No. VI is appointed to act as the Assistant Commissioner of Income-tax, Range No. III *vice* Mr. J. C. Gupta, appointed to act as the Assistant Commissioner of Income-tax, Range No. I.

3. Mr. F. A. Robertson, B.A.(Cantab.), Income-tax Officer, Companies District II, Calcutta is appointed to officiate as an Assistant Commissioner and posted to Dacca as the Assistant Commissioner of Income-tax, Range No. VI *vice* Mr. S. Ahmed appointed to act as the Assistant Commissioner of Income-tax, Range No. III.

Calcutta, the 25th April 1938.

No. 1313-C. T.—Mr. P. C. Dey, M.A. (Com.), Income-tax Officer, Railways and Miscellaneous Salaries Circle, Calcutta, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 12 days, with effect from the 19th April 1938, with permission to prefix the Easter holidays and affix Sunday, the 1st May 1938 to the leave.

S. N. BANERJEA,
Commissioner of Income-tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 23rd April 1938.

No. A. E.-780/1.—Mr. B. N. Ghosh, Assistant Superintendent, junior scale, Transportation (Traffic) and Commercial Department has been appointed to officiate as Superintendent, senior scale in that Department with effect from the forenoon of 2nd January 1938.

Mr. M. L. Kaul, Assistant Superintendent, junior scale, Transportation (Traffic) and Commercial Department has been appointed to officiate as Superintendent senior scale in that Department with effect from the forenoon of 4th March 1938.

Calcutta, the 25th April 1938.

No. A. E.-780/1.—Mr. D. R. Carmody, Assistant Secretary to Agent, junior scale, has been appointed to officiate as Superintendent, Staff, Personnel, senior scale, with effect from the 27th February 1938.

Calcutta, the 26th April 1938.

No. A. E.-780/1.—Mr. P. Reay Young, Assistant Superintendent, Junior Scale, Watch and Ward Department has been appointed to officiate as Publicity Officer, Senior Scale with effect from the 1st April 1938 forenoon.

J. A. BELL,

Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 20th April 1938.

No. 14.—Mr. H. M. Baikie, officiating Deputy Chief Engineer, is granted, with the approval of the Railway Board, leave preparatory to retirement for 1 year 3 months and 5 days *viz.*, leave on average pay for 3 months and 21 days and half average pay for the remaining period with effect from the 15th July 1938 or subsequent date of relief.

R. W. TAYLOR,

Chief Engineer.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 20th April 1938.

No. 48.—The unexpired portion of leave on average pay, *viz.*, from 3rd April, 1938, to 2nd June, 1938, granted to Mr. S. N. Chatterjee, Assistant Executive Engineer, under this office Notification No. 129, dated 17th November, 1937, is hereby cancelled.

No. 49.—The unexpired portion of leave on half average pay, *viz.*, from 7th April, 1938 to 27th May, 1938, granted to Mr. A. E. Howell, Works Manager, under this office Notification No. 72, dated 2nd July 1937, is hereby cancelled.

Lahore, the 22nd April 1938.

No. 50.—Kanwar Man Singh, Assistant Transportation Officer is granted an extension of leave on half average pay on medical certificate from 1st March 1938 to 25th March 1938 in continuation of the leave already granted to him under this office Notification No. 38 dated 1st April 1938.

Lahore, the 26th April 1938.

No. 51.—Mr. A. C. Brabson, District Controller of Stores, is granted leave for 2 months, *viz.*, leave on average pay for one month and 17 days and in continuation thereof leave on half average pay for 14 days with effect from 2nd April 1938.

C. F. CARSON,

Lt.-Col., R.E.,

Agent.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 23rd April 1938.

No. 21620-S.-2127.—Major J. E. Clutterbuck, R.E., Executive Engineer (Senior Scale), was granted 2 days leave on average pay on 25th and 26th February 1938 (with permission to affix Sunday, the 27th).

Mr. A. A. Shah, Assistant Executive Engineer (Junior Scale) has been granted 25 days' leave on average pay from 28th March 1938.

Mr. A. W. Bruce-Joy, Assistant Transportation Superintendent (Senior Scale), has been granted a further extension of 4 months furlough on quarter pay from 10th April 1938 by the High Commissioner for India.

Mr. K. C. Bakhle, Assistant Executive Engineer (Junior Scale) has been appointed to officiate as Divisional Engineer in the Senior Scale from 15th March 1938.

Mr. E. G. Kotiswaran, Assistant Transportation Superintendent "Power" (Junior Scale) has been appointed to officiate in the Senior Scale as Assistant Transportation Superintendent "Power" from 17th March, 1938.

Mr. P. D. Webber, Loco. Foreman has been appointed to officiate as Assistant Transportation Superintendent in the Lower Gazetted Service from 17th March 1938.

Mr. P. K. Snellekzs, Transportation Inspector has been appointed to officiate as Assistant Transportation Superintendent in the Lower Gazetted Service from 23rd March, 1938.

J. H. F. RAPER,

Agent.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, MAY 7, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 7th May 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

April 25, 1938.

25166. S. Shahab-Uddin. Economy tobacco mixture.

25167. B. Pross and F. Baldus. Method of and apparatus for spinning.

25168. I. G. Farbenindustrie Aktiengesellschaft. Improvements in the production of silver from bands of continuous fibre. (January 26, 1938.)

25169. K. C. Bhappu and P. K. Bhappu. Improvements in or relating to tiffin carriers and the like. [Addition to No. 25125.]

25170. K. C. Bhappu and P. K. Bhappu. Improvements in or relating to tiffin carriers and the like. [Addition to No. 25125.]

25171. B. Bartfay. Process for obtaining cellulose from vegetable raw materials. (August 24, 1937.)

25172. R. G. Le Tourneau, Inc. Carrying scrapers.

25173. A. W. Pauley. Effervescent milk of magnesia and method of making same.

25174. F. E. Lathe, N. P. Pitt and L. Hondett. Chemically bonded refractories.

25175. N. P. Pitt, A. C. Halferdahl and F. E. Lathe. Refractories.

25176. N. P. Pitt, and E. G. Baker. The bonding of calcium silicates.

April 26.

25177. Ruhrchemie Aktiengesellschaft. Process for producing hydrocarbons by the catalytic conversion of carbon monoxide with hydrogen. (April 5, 1938).

25178. M. A. Waris. A needle for making rugs and other embroidery works.

25179. Kohle und Eisenforschung G. m. b. H. A process for treating manganese.

25180. The British Tabulating Machine Co. Ld. Improvements in or relating to accounting or statistical systems.

25181. Wingfoot Corporation. Rubber hydrochloride structures and methods of making same.

April 28.

25182. J. E. Kennedy. Means for handling and transporting material.

April 29.

25183. Standard Telephones and Cables Ld. Ultra-short wave altimeter for aircraft.

Alteration of Date.

(I)

23927. The claim to priority date 29th May 1936 has been abandoned and the application dated as of the 26th April 1937, the date of filing in India.

(II)

23976. The claim to priority date 7th May 1936 has been abandoned and the application dated as of the 6th May 1937, the date of filing in India.

(III)

24655. The claim to priority date 16th September 1937 has been disallowed and the application dated as of the 22nd November 1937, the date of filing in India.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23730. J. Carlin. Improved method of treating woven material used for the manufacture of wool-packs. (March 18, 1936). *Spreading an even layer of liquid rubber latex and applying to the partly dried layer a compounding material including powdered sulphur.*

23779. Spengrey Cap International Co. Improvements in or relating to caps or closures for bottles and the like. *A basic portion with a continuous peripheral dependent skirt formed with an outwardly extending ridge adapted to be depressed.*

23927. W. H. Vale (Junior). A process for the separation and/or deposition of metals from ore containing them by electrolytic methods. *Ore suspended free from electric connection into a solution through which electric current is passed.*

23932. Imperial Hat Works. Improvements in or relating to helmets or like head gear. *Head band is spaced from helmet by discs of rubber.*

23944. I. J. McCullough. Improvements in or relating to method of and apparatus for propelling projectiles for perforating well casings in wells. *All projectiles propelled at substantially the same time by pressure obtained by burning a separate charge of powder.*

23948. W. Matzka. Improvements in the preservation of fruit juices and other liquids. *Causing the liquid to flow with exclusion of air between closely spaced two or more metallic surfaces capable of splitting off bactericidal metal ions.*

23953. Vereinigte Eisenbahn-Signalwerke Gesellschaft Mit Beschrankter Haftung. Improvements in or relating to mechanism for mechanically interlocking point and signal levers. *Rotary shafts carrying locking discs with flat portions.*

23976. Automotive Products Co. Ld., and G. R. G. Gates. Improvements in servo brake mechanism for vehicles and the like. *Larger set of clutch plates serving cooling fins.*

23990. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to thermionic valve apparatus for use on very short waves. (June 26, 1936) [Addition to No. 21594]. *Symmetrically connected thermionic valves mounted in metal screens which forms tuning condensers.*

24118. Sardar S. S. Kalha. An improved method of making a tube well strainer and the strainer so made. *Winding triangular shaped wire over a former with corresponding groove cut on its surface.*

24282. H. Ridley. Improved sprayable cement mortar. *Portland cement, water and granular aggregates passed through a mill so that after milling the average grain size is of the order of colloidal dimensions.*

24304. R. Casas-Robert. Foldable furniture for the use and storage of sewing machines. *Hollow casing with cover connected to front door sewing machine being housed therein capable of being moved upwardly in working position and downwardly in non-use position.*

24477. Svenska Aktiebolaget Gasaccumulator. Apparatus for vaporisation of fuel. *Fule, before entering a vaporiser zone of high temperature mixed with dilution gas such that resultant mixture is not ignitable at the temperature of the zone.*

24521. O. R. Sweeney. Mat board handling machine. (April 30, 1937). *Loading rack having a series of conveyors and a press having a series of platens and means for automatically discharging mat boards from racks into press.*

24536. The British Cotton Industry Research Association. Apparatus for cleaning and opening cotton or like fibrous material. (October 22, 1936). *Spiked beater striking the material from feed mechanism to the air stream by an inlet duct having upper and lower boundary walls joining the settling chamber provided with a knee below the beater surface.*

24538. Joseph Crosfield & Sons Ld. Improvements in or relating to lime-zeolite water-softening processes. (November 5, 1936.) *Passing water successively through lime, sulphonated coal and zeolite.*

24545. Owens-Illinois Glass Co. Improved method of and apparatus for forming glass articles. *Continuously rotating suction type machine for forming hollow glass block.*

24562. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to electrical control apparatus for radio transmitters and the like. (October 26, 1936). *Desired signals obtained without clock work or rotary machinery by a plurality of condensers and glow discharge tubes in series with relay winding in shunt.*

24596. I. T. Kempe. Apparatus for temporarily laying electric cables. (November 5, 1936.) *Cable laying apparatus mounted on turn table fixed to vehicle.*

24613. Imperial Chemical Industries, Ld. Fungi cidal compositions. (December 16. 1936). *Incorporating a dispersing agent with cuprous oxide.*

24643. P. Reed. Improvements in and relating to coffee percolators and the like infusion apparatus. *Comprising two separate containers with means for detachably securing one to the other.*

24655. F. Kanclerz. Apparatus for supplying secondary air to boiler furnace combustion chambers. *Having a nozzle longitudinally divided into steam and air chamber and having a stepped form at its outer end.*

24670. Concordia-Bergbau Aktiengesellschaft. Improvements in intermittently operating horizontal coke ovens. (October 21, 1937). *Opening communication* via *a collecting channel between the gas collecting spaces of oven chamber.*

24780. T. Chester. Improvements in or relating to air cooling or conditioning. (December 29, 1936). *Precooling air admitted to dehumidifying chamber by means of a closed circuit heat-exchanging system.*

24785. L-Gardner & Sons Ld. Improvements in or relating to means for varying the fuel supply to internal combustion engines. (January 1, 1937). *Adjustable means limit the extent to which control member can follow governor movements.*

24786. S. S. Sastry. Improvements in or relating to thermionic valve circuits for wireless systems. *Employing an output valve as detector coupled by inter valve transformer anode circuit having current from 0·1 to 1 milliampere.*

24820. C. K. Morrison. Improvements in and relating to machines for rolling rubber coagulum. (February 12, 1937). *Springs holding the chute so adjusted that the chute will swing about its pivot only when the sheet of coagulam becomes subjected to abnormal tensile stress.*

24824. Kumardhubi Fireclay & Silica Works Ld. Improvements in or relating to the manufacture of porous bricks, blocks or other articles of ceramic ware. *Mixing clay, fireclay or other ceramic ingredient with napthalene and burning the mixture.*

24827. J. A. Crabtree & Co. Ld., and H. F. McLoughlin. Improvements in, or relating to, electrical switch-fuse combinations. (February 15, 1937). *Switch actuating member on lid positively locks fuse cover member.*

24834. F. L. Bolt and Wallsend Slipway & Engineering Co. Ld. Improvements in or relating to liquid fuel burners. *Fuel injector tube inside burner body, a carrier member connected to rear end of the tube and removably fixed in a socket at rear end of the body.*

24835. Aktiebolaget B. A. Hjorth & Co. Improvements in starting burners for the heating of gasification burners for cooking and lighting apparatus, heating lamps and the like. *Conical mixing chamber from which air-fuel mixture is discharged from a nozzle channel leading from the apex of the chamber.*

24841. P. R. Bhandarkar. Improvements in or relating to the extraction of cashew nut shell oil. *Removing the hard outer shell and treating the nuts to centrifugal extraction.*

24866. T. O. Godin (Senior), T. O. Godin (Junior) and R. Handl. Process for the manufacture of building materials. (August 25, 1937). *Clay, or loam chloride or sulphate with sulphuric or hydrochloric acid with or without hydroulic substance and organic or inorganic additions.*

24874. Seri Holding S. A. Improvements in or relating to the production of beryllium oxide. *Treating beryllium ore with a HF containing re-agent and converting the beryllium fluoride formed into the oxide.*

24887. Imperial Chemical Industries Ld. Improvements in or relating to the production of impregnated sheet materials resembling leather. *Impregnating woven or felted textile sheet material with rubber cement over a portion of its thickness and subsequently with aqueous rubber dispersion over the remaining portion.*

24888. Ruhrchemie Aktiengesellschaft. Process for producing lubricating oils. (October 19, 1937). *Condensation of benzine fractions corresponding to a specified density curve.*

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23244. Farrer.
23522. D'Istria.
23549. Reiss.
23562. Bratt.
23621. Ferguson.
23759. Braithwaite & Co. Engineers, Ld., and Anderson.
23887. Nuttall.
24082. Conrad.
24112. Aluminium Colors, Incorporated.
24223. Mitra.
24255. Cartledge.
24353. The Keelavite Company, Limited.
24375. Salfisberg.
24387. Refining, Inc.
24418. Greenfield.
24441. I. G. Farbenindustrie Aktiengesellschaft.

Patents Sealed.

23172. Watson and Insular Lamps (Sydney) Ld.
23366. Continental Can Co., Inc.
23477. Dr. C. Otto & Comp. G. m. b. H.
23488. Korach and Dal Borgo.
23505. Gerrard Industries Ld.
23586. Ronag A. G.
23631. I. G. Farbenindustrie Aktiengesellschaft.
23652. Copper Sheets Manufacturing Co. Ld.
23666. The General Electric Co. Ld.
23670. Eisenwerk-Gesellschaft Maximilianshutte.
23691. Harrap.
23757. Societe Robert Descendre and Leblanc.
23790. American Magnesium Metals Corporation.
23815. R. G. Le Tourneau Inc.
23834. James F. Low & Co., Ld., and Lambert.
23849. N. V. De Bataafsche Petroleum, Maatschappij.
23898. Elektro-Thermit G. m. b. H.
23996. Broom and Wade Ld.
24000. American Reinforced Paper Co.
24004. Morley.
24047. Societe Francaise de Filtrage et d'Epuration des Eaux La Masse Filtrante Korff.
24049. Less Usines De Melle and Boinot.
24070. Universal Oil Products Co.
24096. Dunlop Rubber Co. (India) Ld.
24128. The British Tabulating Machine Co. Ld.
24130. Moos.
24155. I. G. Farbenindustrie Aktiengesellschaft.
24261. Det Norske Aktieselskob For Elektrokemisk Industri.
24291. Ellis.
24296. Schwartz and Chavannes.
24306. Shepherd.
24308. Neunkircher Eisenwerk A. G.
24349. Sidhwa and Sidhwa.
24354. Simpson.
24463. James F. Low & Co. Ld., and Lambert.

Amendment Proceedings.

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Michel Kadenacy, of 120 rue Lecourbe, Paris, France, and Armstrong Whitworth Securities Company Limited, of Thames House, Westminister, London, S. W.-1, England, seek leave to amend their application for patent, No. 23198. Any person desirous of opposing the application for amendment should, at any time within three months from the date of this Gazette, give notice of his invention to do so in the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street Calcutta.

The proposed amendment is as follows :—

To abandon the priority date, 6th September 1935, claimed for the patent, under Section 78A of the above-quoted Act, so that the patent may be dated as of the 5th September 1936, the date for filing of the application in British India.

Renewal Fees Paid.

PATENTS.

11612. Roeckner. (To 31st August 1939).
13199. Singha. (To 25th April 1939).
13215. Amdyco Corpn. (To 2nd May 1939).
13238. Flannery Bolt Co. (To 9th May 1939).
13335. The American Rolling Mill Co. (To 13th June 1939).
13390. F. Van Der Grinten, trading as Chemische Fabrik I. van der Grinten. (To 28th June 1939).
13429. International General Electric Co. Inc. (To 11th July 1939.)
13433. Allgemeine Gesellschaft fur Chemische Industrie m. b. H. (altered to Edeleaun Gesellschaft mit beschrankter Haftung. (To 7th May 1939.)
13569. The British Tabulating Machine Co. Ld. (To 30th June 1939).
14419. Osterstrom and anr. (To 28th May 1939).
14524. International De Lavaud Manufacturing Corporation Ld. (To 26th June 1939).
15754. The Barrett Co. (To 22nd June 1939).
15844. Pipe and Tube Bending Corporation of America. (To 4th June 1939).
16950. Lawrence. (To 28th April 1939).
18654. Snead & Co. (To 27th May 1939).
18850. Grauss. (To 4th April 1939).
19006. Hermann Nier. (To 13th June 1939).
19089. Sir W. G. Armstrong Whitworth & Co. (Engineers) Ld., and ors. (To 25th July 1939).
19259. Vereinigte Stahlewerke Aktiengesellschaft. (To 27th September 1939).
19260. Vereinigte Stahlwerke Aktiengesellschaft. (To 27th September 1939).
19261. Vereinigte Stahlwerke Aktiengesellschaft. (To 27th September 1939).
19422. The Wean Engineering Co. Inc. (To 9th May 1939).
19729. Wassmuth Kurth & Co. Aktiengesellschaft. (To 24th May 1939).
19915. de Vooys. (To 17th May 1939).
19953. The American Fork & Hoe Co. (To 27th May 1939).
20320. North and ors. (To 24th May 1939).
20621. Husain. (To 23rd February 1939).
20816. Dutt and anr. (To 26th April 1939).
20865. Arkell Safety Bag Co. (To 14th May 1939).
20882. Dr. Korni. (To 18th May 1939).
20927. J. S. Wheelwright Ld. (To 9th June 1939).
21805. Luks. (To 15th June 1939).
21824. Dewas. (To 4th May 1939).
21918. Paterson. (To 12th June 1939).

Cessation of Patents.

12913. Firma Streckel & Schrader.
15279. I.G. Farbenindnstrie Aktiengesellschaft.
15284. Heenan & Froude Ld.
16650. The Asiatic Petroleum Co. Ld.
17862. Naamlooze Vennootschap de Bataafsche Petroleum Maatscappij.
19536. Cockcroft and anr.
19599. Marcar.
19603. Tweeddale.
20542. (Miss) Kono.
20548. Refiners Ld., and anr.
20549. The General Electric Co. Ld., and anr.
20550. The General Electric Co. Ld., and anr.
20551. The General Electric Co. Ld., and anr.
20552. Fairbairn Lawson Combe Barbour Ld., and anr.
20558. Holland.
20561. Madan Lal.
20834. Tweeddale.
21471. Gardner.
21576. Johnston.
22974. Tweeddale.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets :—

Class 1. Nos. 62947 to 62950. Hugo Schneider Aktiengesellschaft of Hugo Schneider Strasse, 87, Leipzig 0·5, Germany. January 13, 1938.

Class 1. Nos. 63064 to 63066. Sankar Lal, Paul & Bros., of 184 Old, China Bazaar Street, Calcutta, British India. February 17, 1938.

Class 9. No. 63155 The Fancy Lace Factory, of Premises 321B, Delisle Road, Opposite Raghuvir Cinema, P. O. Jacob Circle, Bombay XI. March 9, 1938.

Class 9. No. 63118. The Fancy Lace Factory, of Premises 321B, Delisle Road Opposite Raghuvir Cinema Jacob Circle, Bombay XI. February 24, 1938.

Class 12. Nos. 63096 and 63097. Salim Soap Co., of 38, Canning Street, Calcutta, British India. February 18, 1938.

Class 13. Nos. 63123 to 63125. The Svadeshi Mills Co. Ld., of "Bombay House", Bruce Street, Fort, Bombay. March 1, 1938.

Class 13. Nos. 63226 and 63227. The Svadeshi Mills Co. Ld., of "Bombay House", Bruce Street, Fort, Bombay. April 4, 1938.

Class 13. No. 63230. Savani and Co., of Lohar Chawl, Ashok Building, Bombay 2. April 5, 1938.

Class 13. Nos. 63245 to 63249. The Mafatlal Fine Spg. & Mfg. Co. Ltd., of Navsari, Baroda State. April 11, 1938.

Class 13. No. 63253. Sha Dwarkadas Dhanji, of Mulji Jetha Market, Gaumukh Galli, Bombay 2. April 12, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the design included in that entry :—

Class 13. No. 56843. The Bombay Co. Ld., of 8, Lyons Range, Calcutta, British India. June 12, 1933.

Class 13. Nos. 56845 and 56846. The Bombay Co. Ld., of 8, Lyons Range, Calcutta, British India. June 14, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON . (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

IMPERIAL BANK OF INDIA.

NOTICE.

Madras, the 25th April 1938.

The following change in the Bank's Staff is hereby notified:—

Mr. G. G. Hastings to be Accountant, Colombo Branch, *vice* Mr. R. C. Warrington, as from the close of business on the 21st instant.

By order,

G. R. ATTWOOD,

Secretary and Treasurer.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 29th April 1938.

No. 01370-E.—Mr. R. C. Ellis, Assistant Estate Officer, Central Public Works Department, New Delhi, is granted leave on average pay in India for 4 months, with effect from the afternoon of the 21st April 1938.

2. Mr. Anant Ram, a Superintendent in the Central Office, Central Public Works Department, is appointed to officiate as Assistant Estate Officer, with effect from 21st April 1938 afternoon, *vice* Mr. R. C. Ellis granted leave.

New Delhi, the 4th May 1938.

No. 01829-E./01370-E.—Mr. M. L. Nanda, Assistant Executive Engineer, attached to the Construction Division, Central Public Works Department, was granted earned leave for 15 days with effect from the forenoon of the 25th April 1938.

A. BREBNER,

Chief Engineer.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 7th May 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

ZOOLOGICAL SURVEY OF INDIA.

Indian Museum.

NOTIFICATION.

Calcutta, the 26th April 1938.

No. 1822.—In exercise of the powers delegated by the Government of India to the Director, Zoological Survey of India, Rai Bahadur Dr. S. L. Hora, D.Sc., F.R.S.E., F.R.A.S.B., F.L.S., F.Z.S., F.N.I., Assistant Superintendent, Zoological Survey of India, is granted leave on average pay for 20 days, with effect from the 9th May 1938, with permission to prefix Sunday, the 8th May 1938 and affix Sunday, the 29th May 1938.

BAINI PRASHAD,

Director,

Zoological Survey of India.

GEOLOGICAL SURVEY OF INDIA.

NOTIFICATION.

Calcutta, the 27th April 1938.

No. 2466/1224 (2).—Mr. H. M. Lahiri, M.Sc., Assistant Geologist, Geological Survey of India, is granted leave on average pay for two months, with effect from the 2nd May 1938. Mr. Lahiri, on his return from leave, is likely to resume his duty as Assistant Geologist in Calcutta from where he proceeds on leave.

W. D. WEST,

for Director, Geological Survey of India.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 30th April 1938.

No. 1633.—Captain C. A. K. Wilson, R.E., officiating Superintendent, is granted under the Fundamental Rules leave out of India on average pay from the 11th May 1938, or date of availing, up to the 19th October 1938.

C. G. LEWIS,

Brigadier,

Surveyor General of India.

Office of the Director, Frontier Circle.

NOTIFICATION.

Simla, the 2nd May 1938.

No. 3.—Mr. Mahammad Najamuddin, B.A., Extra Assistant Superintendent, Survey of India, is granted, under the Fundamental Rules, leave on average pay for four months, from the 2nd May 1938, or subsequent date of availing.

There is every likelihood of his returning to the post from which he proceeds on leave.

J. D. CAMPBELL,

Colonel,

Director, Frontier Circle.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATION.

Poona 5, the 29th April 1938.

No. G.-11165/P.-70.—Mr. Barkat Ali, B.A., M.Sc. (Punjab), Assistant Meteorologist, Poona, was granted leave on average pay for fourteen days with effect from 9th April 1938.

S. K. BANERJI,

for Director-General of Observatories.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATIONS.

Simla, the 29th April 1938.

No. E. B.-15.—Mr. G. M. Randall, Aircraft Inspector in the Civil Aviation Directorate, is granted leave on average pay out of India for a period of 7 months and 12 days, with effect from the 12th May 1938 or the date from which it is actually taken.

Simla, the 30th April 1938.

No. E. B.-15.—Mr. Gurdyal Singh, Aerodrome Officer, Delhi, is granted 'earned leave' for 90 days with effect from the 1st May 1938 or the date from which it is actually taken.

No. E. B.-15 (i).—Mr. J. R. Tandon, Assistant Aerodrome Officer, is appointed to officiate as Aerodrome Officer, Delhi, *vice* Mr. Gurdyal Singh.

F. TYMMS,

Director of Civil Aviation in India.

DEPARTMENT OF EXPLOSIVES.

NOTIFICATION.

Calcutta, the 27th April 1938.

No. G.-15 (14) 5.—Rai Sahib Beli Ram, Superintendent, is granted leave on average pay for 2 months and 10 days, with effect from the 2nd May 1938, with permission to prefix Sunday, the 1st May 1938, to the leave.

G. PEACE,

Chief Inspector of Explosives in India.

ROYAL INDIAN NAVY.

NOTIFICATIONS.

LEAVE.

Bombay, the 30th April 1938.

No. 48.—Lieutenant-Commander A. H. Watt, R.I.N., is granted 12 months' absence from India, with effect from 30th April 1938. The first 3 months will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

No. 49.—Lieutenant-Commander K. R. U. Todd, R.I.N., is appointed officiating Assistant Sea Transport Officer, Bombay, with effect from 30th April 1938 and Assistant Sea Transport Officer, Bombay, with effect from 30th July 1938, *vice* Lieutenant-Commander A. H. Watt, R.I.N., vacated.

HERBERT FITZHERBERT,

Rear-Admiral,

Flag Officer Commanding,

Royal Indian Navy.

INTELLIGENCE BUREAU (HOME DEPARTMENT).

GOVERNMENT OF INDIA.

NOTIFICATION.

Simla, the 3rd May 1938.

No. 13-Est./38.—Mr. Bhujendra Nath Sircar, officiating Deputy Superintendent of Police, Intelligence Branch, Bengal, is appointed Deputy Central Intelligence Officer, Orissa, with effect from the 21st April 1938.

C. R. B. MURRAY,

for Director, Intelligence Bureau (Home Department), Government of India.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 2nd May 1938.

No. 22/An.—Mr. S. Jayasankar, Assistant Military Accountant General in Charge, E. M. A. Section, Calcutta, is granted privilege leave for two months and seven days, with effect from the 19th April 1938, with permission to prefix the Easter Holidays, from the 15th to the 18th April 1938.

No. 23/An.—Mr. Shiv Ram Kakar, an accountant in the office of the Controller of Military Accounts, Northern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the forenoon of the 19th April 1938.

Simla, the 4th May 1938.

No. 24-An.—Mr. N. Narayana Aiyar, an offg. Deputy Assistant Controller of Naval Accounts reverted to his substantive grade, with effect from the afternoon of the 23rd April 1938.

No. 25-An.—Mr. B. Srinivasa Aiyar, an accountant in the office of the Controller of Military Accounts, Western Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the forenoon of the 25th April 1938.

No. 26-An./E.—Mr. R. Narayanswami, Deputy Controller of Military Accounts, Northern Command, is granted privilege leave for 2 months, from the 19th April 1938, with permission to prefix the Easter Holidays, from the 15th to the 18th April 1938, and affix Sunday the 19th June 1938.

J. PARLBY,

Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 30th April 1938.

No. S.-100/15/37.—Mr. M. A. J. Vasnaik, B.Sc. (Edin.), Assistant Divisional Engineer, Telegraphs, is granted leave on average pay for 15 days, with effect from the 18th January 1938 in extension of the leave granted to him in this Department Notification No. S.-100/15/37, dated the 22nd January 1938.

No. S.-107/26/37.—In supersession of this Department Notification No. S.-107/26, dated the 3rd January 1938, Mr. Shanti Swarup, a probationer in the Superior Telegraphs Engineering Branch, is granted earned leave on average pay for 13 days, with effect from the 8th December 1937.

No. S.-107/4.—Mr. K. N. Raghavan Pillai, a probationer in the Superior Telegraphs Engineering Branch, is granted earned leave for ten days, with effect from the 23rd August 1937, and for six days, with effect from the 11th November 1937.

No. S.-177/12.—Mr. L. J. Pacheco, Assistant Electrical Engineer, is permitted to retire from service, with effect from the 8th October 1938.

Simla, the 4th May 1938.

No. S.-158/3.—Mr. H. E. Greene, Chief Superintendent, Central Telegraph Office, Bombay, is granted leave on average pay for 1 month and 3 days, with effect from the 7th May 1938, preparatory to retirement.

Mr. V. B. Sirsat, Personal Assistant, Traffic, Bombay Circle, is appointed to officiate as Chief Superintendent, Central Telegraph Office, Bombay, *vice* Mr. Greene.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 7th April 1938.

No. 601/2-E./58-C. T.—Mr. B. Basu, M.A., Additional Income-tax Officer, Burdwan-Birbhum, is, in addition to his own duties, appointed to act as Income-tax Officer, Burdwan-Birbhum, during the absence on leave of Mr. M. N. Roy Mitter or until further orders.

Calcutta, the 20th April 1938.

No. 968-C. T.—Mr. N. K. Banerjee, M.A., Additional Income-tax Officer, District I (1), Calcutta, is temporarily appointed to act as Income-tax Officer, Railways and Miscellaneous Salaries Circle, Calcutta, during the absence on leave of Mr. P. C. Dey, Income-tax Officer, or until further orders.

Calcutta, the 25th April 1938.

No. 1310/2-E./54-C. T.—Mr. G. Rahman, M.A., Additional Income-tax Officer, Dacca, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 12 days, with effect from the 19th April 1938, with permission to prefix the Easter holidays and affix Sunday, the 1st May 1938, to the leave.

No. 1311/2-E./C. T.—Mr. P. N. Das Gupta, B.A., Income-tax Officer, Mymensingh, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 29 days, with effect from the 9th April 1938, with permission to affix Sunday, the 8th May 1938, to the leave.

Calcutta, the 26th April 1938.

No. 1398/2-E./58-C. T.—Mr. M. N. Roy Mitter, M.A., Income-tax Officer, Burdwan-Birbhum, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 12 days, with effect from the 19th April 1938 with permission to prefix the Easter holidays and affix Sunday, the 1st May 1938, to the leave.

S. N. BANERJEA,

Commissioner of Income-tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 28th April 1938.

No. A. E. 780/1.—Mr. H. B. Deshpande, Assistant Chemist and Metallurgist, junior scale, has been appointed to officiate as Chemist and Metallurgist, senior scale, with effect from the forenoon of the 28th March 1938.

No. A. E. 780/2.—Capt. A. E. Clements, R.E., Assistant Executive Engineer, junior scale, has been appointed to officiate as Secretary to Agent, senior scale, with effect from the forenoon of the 9th April 1938.

Calcutta, the 2nd May 1938.

No. S. E. 7.—Mr. H. W. Monks, officiating Assistant Track Supply Officer, Lower Gazetted Service, has been granted 2 months and 18 days' leave on average pay prior to retirement, with effect from the 13th April 1938 (forenoon). This is in supersession of this office Notification No. S. E. 7, dated the 14th April 1938.

Calcutta, the 3rd May 1938.

No. A. E. 2134/5.—Mr. P. N. Murti, Assistant Electrical Engineer, (Junior Scale) on probation at present employed on the East Indian Railway, is confirmed in that appointment, with effect from the 2nd May 1938.

J. A. BELL,

Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATIONS.

Calcutta, the 29th April 1938.

No. 15.—Mr. G. H. Goff, District Traffic Superintendent, is granted leave preparatory to retirement for 1 year 10 months and 14 days, *viz.*, leave on average pay for 2 months and 24 days and on half average pay for the remaining period, with effect from the 11th June 1938.

L. W. VAN SOMEREN,

Traffic Manager.

Calcutta the 29th April 1938.

No. 16.—Mr. J. N. E. Nagle, Organisation Officer, is granted leave for 6 months and 19 days, viz., leave on average pay for 3 months and 9 days and on half average pay for the remaining period with effect from 15th July 1938 or subsequent date of relief.

A. F. HARVEY,

Agent.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 28th April 1938.

No. 52.—Mr. L. N. Flatt, V.D., Chief Mechanical Engineer, is granted combined leave (out of India), for 9 months and 21 days, viz., privilege leave for 3 months and 3 days and furlough on half pay for the remaining period, with effect from 26th November 1937.

2. This cancels this office Notification No. 131, dated the 22nd November 1937.

Lahore, the 4th May 1938.

No. 53.—Mr. A. P. R. Grindley, Divisional Transportation Officer, is granted leave (out of India) on average pay for 8 months, with effect from 28th May 1938 or subsequent date of relief.

C. F. CARSON,

Lt.-Col., R.E.,

Agent.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 27th April 1938.

No. 21620-S.-2134.—Mr. F. W. C. Fowle, Executive Engineer (Senior Scale), availed himself of 11 months and 13 days' combined leave (viz., 2 months 21 days privilege and 8 months 22 days' furlough on half pay), from 8th April 1937, instead of 12 months combined leave as previously notified.

Mr. P. A. Karnik, Assistant Traffic Manager (Lower Gazetted Service), was granted 5 months and 29 days' combined leave (viz., 1 month 15 days' privilege and 4 months 14 days' furlough on half pay), from 29th May 1937, preparatory to retirement.

Mr. F. S. de Vere-Gould, Assistant Engineer (Lower Gazetted Service), availed himself of 6 months' combined leave (viz., 4 months 5 days' full average pay and 1 month 26 days' half average pay), from 29th September 1937, instead of 5 months and 15 days combined leave as previously notified.

Mr. J. H. Carpenter, Publicity Officer (Senior Scale), has been granted 2 years' combined leave (viz., 1 month 23 days' privilege and 1 year 10 months and 7 days' furlough on half pay), from 22nd October 1937, preparatory to retirement.

Mr. L. A. Hoyle, Traction Superintendent (Administrative), has been granted 6 months and 2 days' combined leave (*viz.*, 5 months 18 days on average pay and 14 days on half average pay), from 19th April 1938.

Mr. S. Marchant, Assistant Transportation Superintendent (Junior Scale), has been granted 9 months and 4 days combined leave (viz., 4 months on full average pay and 5 months 4 days on half average pay), from 20th April 1938.

Mr. R. S. Moberly, Assistant Traffic Manager (Senior Scale), has been granted 2 years' combined leave (viz., 16 days privilege, 1 year 11 months and 14 days furlough on half pay), from 21st April 1938, preparatory to retirement.

Dr. N. B. Mehta, Assistant Traffic Manager (Junior Scale), has been granted 6 months' combined leave (viz., 4 months on average pay and 2 months on half average pay), from 22nd April 1938.

Mr. C. N. B. Smart, Executive Engineer (Senior Scale), has been granted 6 months and 27 days' combined leave (viz., 3 months 23 days' privilege and 3 months 4 days' furlough on full pay), from 22nd April 1938.

Mr. J. E. Tattersall, Assistant Transportation Superintendent, Rolling Stock (Junior Scale), has been appointed to officiate as Traction Engineer in the Senior Scale, from 19th April 1938.

Mr. G. Ahrens, Superintending Foreman, has been appointed to officiate as Assistant Transportation Superintendent, Rolling Stock, in the Lower Gazetted Service, from 19th April 1938.

J. H. F. RAPER,

Agent.

GOVERNMENT PUBLICATIONS

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THE MANAGER OF PUBLICATIONS, CIVIL LINES, DELHI, THE BOOK DEPOT, No. 8, HASTINGS ST., CALCUTTA,

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MADRAS :—Superintendent, Government Press, Mount Road, Madras.

BOMBAY :—Superintendent, Government Printing and Stationery, Queen's Road Bombay.

SIND :—Manager, Sind Government Book Depot and Record Office, Karachi (Sadar).

UNITED PROVINCES :—Superintendent, Printing and Stationery, U. P., Allahabad.

PUNJAB :—Superintendent, Government Printing, Punjab, Lahore.

CENTRAL PROVINCES :—Superintendent, Government Printing, Central Provinces, Nagpur.

ASSAM :—Superintendent, Assam Secretariat Press, Shillong.

BIHAR :—Superintendent, Government Printing, P. O. Gulzarbagh, Patna.

NORTH-WEST FRONTIER PROVINCE :—Manager, Government Printing and Stationery, Peshawar.

ORISSA :—Press Officer, Secretariat, Cuttack.

AND OF ALL AGENTS FOR THE SALE OF GOVERNMENT OF INDIA PUBLICATIONS.

EUROPE.

OFFICE OF THE HIGH COMMISSIONER FOR INDIA,
INDIA HOUSE, ALDWYCH, LONDON, W. C. 2.

LIST OF NEW BOOKS PUBLISHED DURING APRIL 1938.

NOTE.—(1) Where a symbol is given, preceding the name of the publication, it is requested that the symbol only be given when indenting and *not* the name of the Publication.

(2) Prices are inclusive of packing and Indian postage.

ACTS AND LAW BOOKS.

General.

EFFECT OF LEGISLATION—

LD.11.36. 1936. *Re. 1-10 or 2s. 9d.*

AGRICULTURE AND FORESTRY.

AGRICULTURE AND LIVESTOCK IN INDIA—

ICAR.1.VIII.2. Vol. VIII, Part II, March 1938. *Rs. 2 or 3s. 6d.*

Contents :—

Editorial :

Board of Agriculture and Animal Husbandry in India.

Original Articles :

Sons of the Soil [Studies of the Indian Cultivator].

VIII. The Madras Cultivator—

1. A 'Gavara' Ryot. [Ramiah Garu.]
2. The Ceded Districts Ryot. [Vital Rao.]
3. The Kistna Delta Ryot. [Budhavidheya Rao Naidu Garu].

AGRICULTURE AND FORESTRY—*contd.*

AGRICULTURE AND LIVESTOCK IN INDIA—*contd.*

ICAR.6.VIII.2. Vol. VIII, Part II, March 1938—*contd.*

Contents—*contd.*

Original Articles—*contd.*

Sons of the Soil [Studies of the Indian Cultivator]. IX. The Oriya Cultivator. [Datta].

Animal Diseases in Relation to the Economy of Man and India. [Datta].

Utility of Soil-inverting Ploughs and Improved Implements as compared with Indigenous Implements. [Johnston].

A Note on 'Quality' of Coffee. [Rudolph D. Anstead].

Vitamin—A Study of Ghee—

Part VII. Pro and Anti-bodies. [Banerjee].

Part VIII. Acidity. [Banerjee and Doctor].

Manurial Experiments with Sulphate of Ammonia and Nitrate of Soda on Sugarcane. [Hynne Sayer and Sen].

A Short History of Sugarcane Cultivation in Bihar up to the Middle of the 19th Century. [Sarkar].

CATALOGUE OF INDIAN INSECTS—

ICAR.11.23. Part 23.—Chalcidoidea. *Rs. 3-2 or 5s. 6d.*

INDIAN JOURNAL OF VETERINARY SCIENCE AND ANIMAL HUSBANDRY—

ICAR.15.VI. Vol. VI, 1936, Index. *As. 3 or 4d.*

ICAR.6.VIII.1. Vol. VIII, Part I, March 1938. *Rs. 2 or 3s. 6d.*

Contents :—

Heredity and Disease Resistance. [Crew].

A Form of Verminous Opthalmia in Equines [with Plates I and II]. [Krishna Iyer].

Some Experiments on the Carotene Content of Grasses and Concentrates and the Feeding of Guinea Grass to Dairy Cows. [Mukhijani and Banerjee].

A Comparative Study of the Colostrum of the Dairy Cow and the Dairy Buffalo. [Sivasubramaniam and Dover].

The Incidence of *Salmonella enteritidis* var *Dublin* in Pyosepticaemia of Calves in India. [Rajagopalan].

Determination of Sex from the External Features of *Labeo rohita*, Gunther and *Cirrhina mrigala*, cuv. and val. [Mookerjee].

A Study of the Mineral Assimilation of Growing Calves. [Viswanatha Iyer and Krishna Ayyar].

SELECTED ARTICLE—

The Nutritive Value of Raw and Pasteurized Milk for Calves. [Wilson, Minett and Carling].

ARTS AND SCIENCES.

Archæology.

EPIGRAPHIA INDICA—

GEI.1.XXI.8. Vol. XXI, Part VIII, October 1932. [Chakravarti]. *Rs. 2 or 3s. 6d.*

Contents :—

No. 44. Six Inscriptions in the Lahore Museum. [Sahni].

Index.

Education.

FEDERAL PUBLIC SERVICE COMMISSION—

Pamphlet of the Competitive Examination for recruitment to the Ministerial Service [First and Second Divisions] of the Government of India Secretariat and its Attached and Subordinate Offices, containing Notice, Time-Table, Question Papers, Table of Results and Review of the Examination—

PSC.7.37. July 1937. *As. 4 or 5d.*

ARTS AND SCIENCES—*contd.*

Geology.

MEMOIRS OF THE GEOLOGICAL SURVEY OF INDIA—

GSI.7.LXXII.1.	Vol. LXXII, Part 1.—The Geology of Ports of the Minbu, Myingyan, Pakokku and Lower Chindwin Districts, Burma. [With Plates 1 to 11].	*Rs. 5-12 or 9s. 6d.*

Language.

KHOWAR DIALECT [CHITRALI]—

FP.1.	**GRAMMAR AND VOCABULARY OF THE—** Third Edition, 1937.	*Rs. 9-8 or 16s.*

Meteorology.

SCIENTIFIC NOTES—

DGO.19.VII.75.	Vol. VII, No. 75.—Squalls at Karachi.	*Re. 1-14 or 3s. 3d.*

UPPER AIR DATA—

DGO.1.10.35.	October 1935, Vol. VIII, Part 10.	*Rs. 7-14 or 13s.*

CIVICS AND ADMINISTRATION.

Administration and Departmental Reports.

ADEN—

CCA.2.37.	Administration Report for the year ending 31st March 1937. [With Appendices].	*Rs. 3 or 3s. 9d.*

AGRICULTURAL MARKETING IN INDIA—

AMA.7.37.	Annual Report of the Agricultural Marketing Adviser and Summarised reports of Senior Marketing Officers in Provinces and certain states for the year ending 31st December 1937.	*As. 6 or 8d.*

IMPERIAL INSTITUTE OF VETERINARY RESEARCH, MUKTESAR—

VRI.2.37.	Annual Report for the year ending 31st March 1937.	*Re. 1-2 or 2s.*

SALT DEPARTMENT, MADRAS PRESIDENCY—

CBR.8.37.	Administration Report, 1936-37.	*Re. 1-14 or 3s. 3d.*

Civil Lists.

DEPARTMENT OF COMMUNICATIONS, GOVERNMENT OF INDIA, INCLUDING THE OFFICES SUBORDINATE TO IT—

LIST OF OFFICERS—

Cm.D.1.I.38.	1st January 1938.	*Re. 1-8 or 2s. 6d.*

Politics.

DEBATES—

COUNCIL OF STATE—

CS.4.II.37.	Index, Vol. II, 1937. [13th September to 25th November 1937].	*Re. 1-2 or 2s.*
CS.5.I.8.38.	Vol. I, No. 8, 4th March 1938.	*As. 5.*
CS.5.I.9.38.	Vol. I, No. 9, 7th March 1938.	*As. 5.*
CS.5.I.10 & 11.38.	Vol. I, Nos. 10 & 11, 10th and 17th March 1938.	*As. 5.*
CS.5.I.12.38.	Vol. I, No. 12, 21st March 1938.	*As. 5.*
CS.5.I.13 & 14.38.	Vol. I, Nos. 13 & 14, 22nd and 23rd March 1938.	*As. 5.*
CS.5.I.15.38.	Vol. I, No. 15, 1st April 1938.	*As. 5.*

LEGISLATIVE ASSEMBLY—

[Bound Volumes]—

LAD.3.I.37.	Vol. I, 1937 [25th January to 19th February 1937].	*Rs. 8-8 or 14s. 3d.*
LAD.3.II.37.	Vol. II, 1937 [23rd February to 13th March 1937].	*Rs. 7-8 or 12s.*
LAD.3.III.37.	Vol. III, 1937 [15th March to 3rd April 1937].	*Rs. 9-4 or 15s. 6d.*
LAD.3.IV.37.	Vol. IV, 1937 [23rd August to 1st September 1937].	*Rs. 5 or 8s. 3d.*
LAD.3.V.37.	Vol. V, 1937 [2nd September to 17th September 1937].	*Rs. 6-10 or 11s.*
LAD.3.VI.37.	Vol. VI, 1937 [18th September to 29th September 1937].	*Rs. 5-6 or 8s. 9d.*
LAD.3.VII.37.	Vol. VII, 1937 [30th September to 7th October 1937].	*Rs. 7-8 or 12s.*

CIVICS AND ADMINISTRATION—*contd.*

Politics—*contd.*

DEBATES—*contd.*

LAD.6.II.7.38.	Vol. II, No. 7, 3rd March 1938.	*As. 5.*
LAD.6.II.8.38.	Vol. II, No. 8, 4th March 1938.	*As. 5.*
LAD.6.II.9.38.	Vol. II, No. 9, 5th March 1938.	*As. 5.*
LAD.6.II.10.38.	Vol. II, No. 10, 7th March 1938.	*As. 5.*
LAD.6.II.11.38.	Vol. II, No. 11, 9th March 1938.	*As. 5.*
LAD.6.II.12.38.	Vol. II, No. 12, 10th March 1938.	*As. 5.*
LAD.6.II.13.38.	Vol. II, No. 13, 17th March 1938.	*As. 5.*
LAD.6.II.14.38.	Vol. II, No. 14, 18th March 1938.	*As. 5.*
LAD.6.II.15.38.	Vol. II, No. 15, 21st March 1938.	*As. 5.*
LAD.6.II.16.38.	Vol. II, No. 16, 22nd March 1938.	*As. 5.*
LAD.6.II.17.38.	Vol. II, No. 17, 23rd March 1938.	*As. 5.*
LAD.6.III.1.38.	Vol. III, No. 1, 24th March 1938.	*As. 5.*
LAD.6.III.2.38.	Vol. III, No. 2, 25th March 1938.	*As. 5.*
LAD.6.III.3.38.	Vol. III, No. 3, 28th March 1938.	*As. 5.*
LAD.6.III.4.38.	Vol. III, No. 4, 30th March 1938.	*As. 5.*
LAD.6.III.5.38.	Vol. III, No. 5, 31st March 1938.	*As. 5.*

ENGINEERING.

Reports.

BHITA—

PRB.34 [N]. Report by the Hon'ble Sir John Thom on the cause of the Railway Accident near —— on the East Indian Railway on the 17th July 1937. *As. 4 or 5d.*

FINANCE.

General.

STATE RAILWAY ESTABLISHMENT CODE—

PRB.33 [N]. As corrected up to 30th June 1937. *Rs. 4 or 6s. 9d.*

TREASURIES AND SUB-TREASURIES IN INDIA AND BURMA—

FD.18.4. List. Fourth Edition, Corrected up to the 1st June 1937. *As. 4 or 5d.*

Revenue.

FINANCE AND REVENUE ACCOUNTS—

AG.13.37. 1936-37. *Rs. 10 or 16s. 6d.*

Rules and Regulations.

CANTONMENT FUND SERVANTS' RULES—

DLC.4. 1937. [Published in the Government of India, Defence Department, Notification No. 707, dated the 18th September 1937]. *As. 5 or 6d.*

MILITARY.

ANTI-AIRCRAFT—

MGS-N 20 [N]. NOTES ON GUNNERY [War Office], 1937. [*not for sale*].

BOOKS, FORMS, STATIONERY AND OFFICE EQUIPMENT REQUIRED ON MOBILIZATION AND IN THE FIELD—

MCR-S. 9. [N]. RAILHEAD REMOUNT DEPOTS, 1938. [*not for sale*].

EQUIPMENT REGULATIONS—

ARMY [INDIA]—

MCR-R 295 [N]. CAVALRY BRIGADE SIGNAL TROOP, 1938, Part 2, Sec. X-D. *Re. 1-2 or 2s.*

SIGNAL[S]—

MCR-R 294 [N]. Peshawar District, 1938, Part 2, Sec. X-V [A]. *Rs. 2-6 or 4s. 3d.*

EXAMINATION. ARMY SPECIAL AND FIRST CLASS CERTIFICATES [WAR OFFICE]—

MEMORANDUM ON RESULTS, REMARKS BY EXAMINERS AND QUESTION PAPERS—

MGS-M 115 [N]. October 1937. [*not for sale*].

INDIAN ARMY LIST—

MCR-AL 4/38 [N]. April 1938. *Rs. 4-14 or 8s.*

MILITARY—*contd.*

LIST OF CHANGES IN WAR MATERIAL AND OF PATTERNS OF MILITARY STORES FOR H. M.'S ARMY SERVING IN INDIA—

MO-LC 4/38 [N]. April 1938. [*not for sale*].

RANGE COURSES, ANNUAL—

MGS-A 78 [N]. Rifle and Light Machine Gun, Trained Soldiers and Reservists, Cavalry [Horsed], Infantry and Sappers and Miners [India], 1938. *As. 2 or 3d.*

REPORTS—

EXAMINATION FOR CERTIFICATES "A" AND "B" [WAR OFFICE]—

MGS-R 126 [N]. November 1937. [*not for sale*].

TRAINING MANUALS—

PHYSICAL TRAINING TABLE CARDS—

MGS-T 33 [N]. Trained Soldiers. For Indian Army, 1937. *Anna 1 or 1½d.*

MGS-M 116 [N]. TRAINING MEMORANDUM. ROYAL ARTILLERY, 1937.

[This Memorandum reviews artillery training and practice during 1937 and indicates the direction in which further training is required]. [War Office]. [*not for sale*].

WAR EQUIPMENT TABLES [INDIA] [NEW SERIES]—

ARTILLERY—

MCR-W 1/190 [N]. Mountain Training Centre, 1938. I. A. F. F-980-58. [*not for sale*].

HEADQUARTERS—MOVEMENT [RAILWAY TRAFFIC]—

MCR-W 1/203 [N]. Section and One Movement [R. T.] Office, 1938. I. A. F. F-980-247-A. [*not for sale*].

MCR-W 1/204 [N]. [*i*] HEADQUARTERS OF AN INFANTRY BRIGADE [OTHER THAN FOR COVERING TROOPS], [*ii*] HEADQUARTERS OF AN INFANTRY BRIGADE OR BRIGADE AREA [COVERING TROOPS], 1938, I. A. F. F-980-5 [A]. [*not for sale*].

ROYAL ARTILLERY—

MCR-W 1/202. Anti-Aircraft Battery, 1938 I. A. F. F-980-44. [*not for sale*].

TRADE AND COMMERCE.

General.

CROP FORECASTS, 1937-38—

RICE—

DGCIS.29.4.3.38. Final General Memorandum. *As. 3 or 4d.*

WHEAT—

DGCIS.29.7.2.38. Second Forecast. *As. 3 or 4d.*

WINTER OILSEEDS [RAPE, MUSTARD AND LINSEED]—

DGCIS.29.8.2.38. Second Forecast. *As. 4 or 5d.*

JOINT STOCK COMPANIES IN BRITISH INDIA AND IN THE INDIAN STATES OF HYDERABAD, MYSORE, BARODA, GWALIOR, INDORE AND TRAVANCORE—

DGCIS.10.35. 1934-35 [Twenty-first Issue]. *Rs. 6-12 or 11s.*

STATISTICAL ABSTRACT—

BRITISH INDIA—

DGCIS.1.36. With Statistics, where available, relating to certain Indian States from 1926-27 to 1935-36. *Rs. 7-14 or 13s.*

Periodicals.

BUSINESS CONDITIONS IN INDIA—

MONTHLY SURVEY— *Re. 1-10 or 2s. 9d. each*

DGCIS.40.1.38. January 1938.

DGCIS.40.2.38. February 1938.

COTTON SPINNING AND WEAVING IN INDIAN MILLS—

DGCIS.12.11.37. November 1937. *As. 10 or 1s.*

EXPORTS OF INDIAN ARTWARE AND SPORTS GOODS—

DGCIS.14.1.38. January 1938. *Re. 1-2 or 2s.*

INDIAN CUSTOMS REVENUE—

DGCIS.15.3.38. March 1938. *Anna 1 or 1½d.*

TRADE AND COMMERCE—*contd.*

Periodicals—*contd.*

INDUSTRIES OF INDIA. MONTHLY STATISTICS OF THE PRODUCTION OF CERTAIN SELECTED—

DGCIS.16.11 & 12.37. November and December 1937. *As. 2 or 3d.*

JOINT STOCK COMPANIES—

DGCIS.17.11.37. November 1937. *As. 10 or 1s.*

TRADE AND NAVIGATION—

BRITISH INDIA. MONTHLY ACCOUNTS RELATING TO—

Coasting—

DGCIS.11.12.37. December 1937. *Rs. 4 or 6s. 9d.*

Sea-borne—

DGCIS.13.2.38. February 1938. *Re. 1-6 or 2s. 3d.*

TRADE AT STATIONS ADJACENT TO LAND FRONTIER ROUTES— *As. 14 or 1s. 6d. each.*

DGCIS.18.12.37. December 1937.

DGCIS.18.1.38. January 1938.

TRADE OF BRITISH INDIA WITH THE BRITISH EMPIRE AND FOREIGN COUNTRIES—

Sea-borne—

DGCIS.4.1.37. Annual Statement for the fiscal year ending 31st March 1937. Vol. I—Imports, Exports, and Re-exports of private merchandise and Government Stores, and Imports and Exports of Treasure. *Rs. 16-14 or 27s.*

TRADE OF INDIA—

INLAND [RAIL AND RIVER-BORNE]. ACCOUNTS RELATING TO—

DGCIS.19.11.37. November 1937. *Rs. 2-2 or 4s.*

TRADE STATISTICS—

MARITIME STATES IN KATHIAWAR AND THE STATE OF TRAVANCORE—

DGCIS.20.1.38. January 1938. *Rs. 3-6 or 5s. 9d.*

RAW COTTON—

DGCIS.21.11.37. November 1937. *Re. 1-12 or 3s. each.*

DGCIS.21.12.37. December 1937.

WHOLESALE PRICES OF CERTAIN STAPLE ARTICLES OF TRADE AT SELECTED STATIONS IN INDIA—

DGCIS.22.1.38. No. 1 of 1938. *As. 5 or 6d.*

NOTICE.—Books and Acts required for private use must be purchased. Application should be accompanied by a remittance, unless it is wished that the book should be sent by value-payable post. Books and Acts required for the public service should be obtained through the Local Government to whom the applicant is subordinate.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, MAY 14, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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E. V. GREGORY,
Offg. Manager of Publications.

II 1

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 14th May 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

April 30, 1938.

25184. Tilling-Stevens, Ld., and F. L. R. Brown. Improvements in or relating to electric accumulators.

May 2.

25185. Chivers & Sons, Ld. Improvements in or relating to closures for jars or similar containers. (March 26, 1938).

25186. W. A. Holker. Table game apparatus.

25187. Gesellschaft fur nautische und tiefbohrtechnische Instrumente mit beschraenkter Haftung and Professor Dr. O. Martienssen. Method of testing the porosity of strata penetrated by deep bore-holes.

25188. Societe de Prospection Electrique Procedes Schlumberger. Method and apparatus for magnetically exploring earth strata.

25189. M. Vogel-Jorgensen. Improvements in grinding and washing mills and in the treatment of raw materials therein. (June 4, 1937).

25190. Imperial Chemical Industries, Ld. Improvements in or relating to the degreasing of metal and like non-absorbent articles with volatile solvents. (June 8, 1937).

25191. Imperial Chemical Industries, Ld. Improvements in or relating to films, filaments, and other shaped articles made by hardening proteins coagulated from their solutions.

25192. Hume Pipe Co. (Australia), Ld. Improvements in or relating to the jointing, laying and mounting of pipes.

25193. Monotype Machine (Colonial Patents) Syndicate, Ld. Improvements in or relating to the production of machine-set type composition. (November 1, 1937).

25194. The General Electric Co., Ld. Improvements in high-pressure mercury-vapour electric discharge lamps. (May 11, 1937).

25195. L. S. Davar & Co. Silvering solution.

May 3.

25196. Cellulose Holdings, Ld. Improvements relating to yarns, threads, textiles and other fibrous products or structures. (May 24, 1937).

25197. Australian Glass Manufacturers Co., Ld. Improvements in the manufacture of hollow glass building blocks. (May 14, 1937).

25198. Infilco Inc. Liquid treating apparatus. (May 3, 1937).

25199. Guest, Keen, Williams, Ld. Improved means for supporting locking bars for railway points and the like and readily adjusting the elevation of the same.

May 4.

25200. Asa Singh. Improved driving means.

25201. The Tata Iron & Steel Co., Ld., and N. B. Patel. An improved machine or device for removing, reversing or causing camber in a metal structure *e.g.* rail.

25202. The General Electric Co., Ld. Improvements in or relating to combinations of an electric discharge device and material adapted to be excited to luminescence by the discharge in the device. (May 14, 1937).

May 5.

25203. The General Electric Co., Ld. Improvements in high-pressure mercury-vapour electric discharge devices. (May 20, 1937).

Alteration of Date.

24879. Ante-dated 5th February 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications. Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23966. Humoco Corporation. Improvements in and relating to containers and methods of making same. *Opposite edges of a blank are joined, and opposed halves of a peripheral portion are adhesively sealed together.*

23979. Sub-Conductor H. P. Carter. An improved construction for bed-steads, charpoys and the like. *Side and end members joined by nave having vertical hole corresponding to vertical holes in plugged ends of said members for fixing hollow bolt.*

24009. Photosculpture, Ld. An improved method of photography for use in photosculpture. (May 21, 1936). *Using a camera having wide angle lens.*

24226. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of disazo-dyestuffs. (August 24, 1936). [Addition to No. 22905]. *Disazo compound of 4 amino 2·5 dihydroxyalkoxy 2′·6′ dichloro 4′ nitro 1·1′ azobenzene combined with an arylide of 2·3· hydroxy napthoic acid.*

24373. Imperial Chemical Industries, Limited. Production of organic halogen compounds. (September 11, 1936). *Halogenating normally solid polymers of ethylene.*

24528. Max Factor & Co. Cosmetic preparation. *Incorporating pigment and colours in an emulsion of oils and waxes and water containing soluble dispersing agent, drying the mixture and compressing the pulverised product.*

24529. A. M. Byers Co. Improvements in or relating to methods of and apparatus for making wrought iron. *Using batch of molten slag for incorporation of ferrous material to form balls of wrought iron and incorporating additional molten slag into the batch.*

24549. Seri Holding S. A. Process for the production of beryllium fluoride. *Product obtained by baking beryllium ore and a fluorine compound extracted with a solution of silicon floride in organic solvent miscible with water.*

24632. Imperial Chemical Industries, Ld. Rendering wool and silk water-repellent. (April 16, 1937). *Impregnating with a quarternary ammonium salt and heating the impregnated material.*

24700. May and Baker, Ld. Process for the preparation of new soluble aromatic amino compounds of therapeutic value. (December 15, 1936). *Causing aromatic or arylaliphatic or unsaturated aliphatic aldehydes to react with para-amino benzene sulphonamide and bisulphites.*

24819. J. Stone & Co. (India), Ld. Packless gland cock. *Valve operated by the angular movement of the free end of a spring controlled spindle passing through a packing bellows.*

24837. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). Improvements in internal combustion engine for dust-fuels. *Chamber for dust fuel alternately connected to working space.*

24859. C. Wagner. Improvements in or relating to warp stop motions. *Cyclically movable member, a movable guide rail embraced by droppers and operatively associated with the loom disengaging or stopping mechanism.*

24864. N. V. Phillips' Gloeilampenfabrieken. Improvements in or relating to electric discharge tubes. *Foot of moulded glass and four supply conductors sealed to tube by moulding operation.*

24871. G. Fraser and Douglas Fraser & Sons, Ld. Improvements in drawing frames, roving frames and like textile frames. *A lever presenting a laterally projecting pin for lifting the slip or retaining pressing rollers.*

24879. P. M. Chaubal. Improvements in or relating to vaporising devices. (Antedated February 5, 1937). *Closed vessel with a tiltable framework adapted to carry means for heating the vessel and suspended therefrom.*

24904. Wire-Wound Gas Containers, Ld. Improvements relating to containers for compressed gases. *Safety devices consisting of one or more bands encircling the containers to indicate the degree of their deformation.*

24914. The Continental Investment Syndicate, Ld. Improvements in and relating to the manufacture of artificial stone. (February 8, 1937). *Addition of sodium silicate to a mixture of quicklime argillaceous and siliceous materials.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23829. Davidson and Co., Ld.

23836. The General Electric Co., Ld.

23837. Cookson.

23839. Singer.

23848. Kilgore.

23871. Roy.

23902. Shalimar Paint, Colour & Varnish Co., Ld.

23903. Shalimar Paint, Colour & Varnish Co., Ld.

24202. Filter Tips, Ld.

24295. Schwartz and Chavannes.

24300. Bochumer Verein fur Gussstahlfabrikation Aktiengesellschaft.

24338. Gerrard Industries, Limited.

24379. Hugo Schneider Aktiengesellschaft.

24410. Murray.

24411. DePenning.

24424. Bhattacharyya.

24451. Ebell, and Couzin & Attwood Proprietary, Limited.

24458. Mehta and Jolly.

24476. The American Rolling Mill Company.

24485. Morgan.

24514. Standard-Licht Gesellschaft mit beschrankter Haftung.

24635. Morgan.

24649. Civil Protection, Ld.

24654. Kershaw and Westinghouse Brake & Signal Co., Ld.

24725. The Franco-British Electrical Co., Ld., and Brackensey.

24736. Marconi's Wireless Telegraph Co., Ld.

24756. Richard Thomas & Co., Ld.

24762. Marconi's Wireless Telegraph Co., Ld.

24763. Automatic Telephone & Electric Co., Ld.

24765. Salani and Passardi.

24963. I. G. Farbenindustrie Aktiengesellschaft.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23269. Dr. Khan.
23525. Marsden.
23544. Standard Telephones and Cables, Limited.
23553. Gerrard Industries, Limited.
23668. Larsson-Letzen.
23671. Corning Glass Works.
23705. Societe de Prospection Electrique, Procedes Schlumberger.
23718. The General Electric Co., Ld.
23742. Schweizerische Lokomotive & Maschinenfabrik.
23821. Lund.
23858. Wellman Seaver Rolling Mill Co., Ld.
23860. Marconi's Wireless Telegraph Co., Ld.
23867. Universal Oil Products Co.
23899. Elektro-Thermit G. m. b. H.
23917. Jamal Din Mohd. Husain Zamindar Foundry.
24006. Patel.
24054. Wood.
24123. Pinazza.
24124. Hugo Schneider Aktiengesellschaft.
24125. Hugo Schneider Aktiengesellschaft.
24131. Hugo Schneider Aktiengesellschaft.
24239. Co-operative Wholesale Society, Ld., and Foulkes.
24241. Varadaraja Iyengar.
24246. Patel.
24267. Master and Lalkaka.
24371. Evans, Wright, and Brammer.
24407. Bleeck.
24409. Clutsom.
24416. Owens-Illinois Glass Co.
24417. Owens-Illinois Glass Co.
24419. Davy and Sha.
24429. Hugo Schneider Aktiengesellschaft.
24439. Societe Anonyme des Charbonnages de Beeringen.
24442. Owens-Illinois Glass Company.
24443. Owens-Illinois Glass Company.
24445. Owens-Illinois Glass Company.
24452. Cox.
24467. Colombo Commercial Company, Limited and Young.
24478. Knoll A. G., Chemische Fabriken.
24515. I. G. Farbenindustrie Aktiengesellschaft.
24585. Astbury and Chibnall.

Patents Sealed.

23384. Satin.
23444. Tirunarayanan.
23470. Mani.
23499. Courtlauds, Ld.
23513. Saraswati Industries, Ld.
23515. Saraswati Industries, Ld.
23521. National Malleable & Steel Castings Co.
23556. Jefferies and Pierce, Leslie & Co., Ld.
23593. Chobert.
23616. Gascoigne and Knox.
23620. Ferguson.
23637. Dirks.
23707. Magnani.
23813. Jaiswal.
23943. Carrier Corporation.
23968. Madieu.
23984. Paschke and Peetz.
23998. Universal Oil Products Co.
24110. Universal Oil Products Co.
24127. Deal and Rowson.
24227. Ruhrchemie Aktiengesellschaft.
24264. Davis.
24290. Newcon Industries, Ld.
24299. Loibl.
24313. International General Electric Co. Inc.
24325. Rawes.
24326. Jones & Attwood, Ld.
24336. Marconi's Wireless Telegraph Co., Ld.
24351. Borch and Middelboe.
24361. Magnesium Metal Corporation, Ld.
24376. N. V. Philips' Gloeilampenfabriken.
24393. Remfry.

Opposition Proceedings.

This is an opposition entered by K. Roy to the grant of a patent on application No. 24352 made by Glenfield and Kennedy Ld., and E. B. Ball, Junior.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

No. 17565. Jimmy Shapurji Billimoria.
Nos. 22937 and 22938. Schiller & Urban, Ld.

Renewal Fees Paid.

PATENTS.

11304. Rajagopala Iyer. (To 2nd May 1939).
12250. Kupka. (To 6th May 1939).
12272. Kupka. (To 10th May 1939).
13135. Billinghame. (To 6th April 1939).
13136. Billinghame. (To 6th April 1939).
13137. Billinghame. (To 6th April 1939).
13138. Billinghame. (To 6th April 1939).
14510. The Abbey Syndicate, Ld. (To 25th June 1939).
14511. The Abbey Syndicate, Ld. (To 25th June 1939).
14606. Dominion Cartridge Co., Ld. (To 23rd July 1939).
15532. The Hume Pipe Co. (South Africa), Ld. (To 5th June 1939).
15788. Duval. (To 21st May 1939).
15803. Redler. (To 27th May 1939).
15837. Redler. (To 21st June 1939).
15871. Schlumberger. (To 10th June 1939).
15940. Gresham. (To 28th June 1939).
15994. Dr. Lilienfeld. (To 13th July 1939).
16960. Das. (To 5th May 1939).
16996. A. M. Byers Co. (To 19th May 1939).
16997. Meyercord and anr. (To 19th May 1939).
17005. J. G. Fenner & Co., Ld., and anr. (To 19th May 1939).
17006. J. G. Fenner & Co., Ld., and anr. (To 19th May 1939).
17007. Kabushiki Kaisha Toyoda Jido Shokki Seisakusho. (To 19th May 1939).
17048. The Hume Pipe & Concrete Construction Co., Ld. (To 2nd June 1939).
17147. Kennedy. (To 30th June 1939).
17154. Brooke Bond India, Ld., and anr. (To 4th July 1939).

17819. Dennison Watch Case Co., Ld. (To 25th February 1939).
17954. Sir W. G. Armstrong Whitworth & Co. (Engineers), Ld., and anr. (To 2nd June 1939).
18016. Gill (Sr.). (To 4th May 1939).
18045. Schmidt and anr. (To 18th May 1939).
18112. Fraser and ors. (To 15th June 1939).
18128. Sir Deterding. (To 27th June 1939).
18165. I. G. Farbenindustrie Aktiengesellschaft. (To 12th August 1939).
18232. Compagnie Internationale des Pieux armes Frankignoul Societe Anonyme. (To 3rd August 1939).
18955. Nitricastiron Co., Ld. (To 23rd May 1939).
18986. Siemens Schuckertwerke Aktiengesellschaft. (To 6th June 1939).
18990. Lampen. und Metallwarenfabriken R. Ditmar Gebruder Brunner A. G. (To 6th June 1939).
19007. I. G. Farbenindustrie Aktiengesellschaft. (To 13th June 1939).
19116. Majer. (To 8th August 1939).
19291. Pestarini. (To 17th October 1939).
19869. Hill. (To 7th May 1939).
19895. Sidhwa and anr. (To 9th May 1939).
19904. Safety Mining Co. (To 15th May 1939).
19963. No Nail Cases Proprietary, Ld. (To 30th June 1939).
20009. Fraser and ors. (To 21st June 1939).
20036. Bhathena. (To 26th June 1939).
20040. Maiuri. (To 30th June 1939).
20042. Stockholms Benmjolofabrik Aktiebolag. (To 26th June 1939).
20085. Dr. Lilienfeld. (To 15th July 1939).
20148. Becker. (To 7th August 1939).
20177. Vereinigte Stahlwerke Aktiengesellschaft. (To 22nd August 1939).
20833. Dr. Bharade and anr. (To 3rd May 1939).
20841. Hutton. (To 7th May 1939).
20862. Casablancas. (To 14th May 1939).
20871. Hume Steel, Ld. (To 14th May 1939).
20884. Safety Mining Co. (To 21st May 1939).
20885. Safety Mining Co. (To 21st May 1939).
20913. Byron Jackson Co. (To 5th June 1939).
21223. Associated Electrical Industries, Ld. (To 25th October 1939).
21179. Associated Electrical Industries, Ld. (To 3rd October 1939).
21645. Societe Anonyme Pour Les Applications De L'Electricite Et Des Gaz Rares Etablissements Claude-Paz & Silva. (To 21st June 1939).
21684. B. Laporte, Ld., and ors. (To 5th March 1939).
21720. B. Laporte, Ld., and ors. (To 17th March 1939).

Cessation of Patents.

10053. Newsom.
11948. The British Oxygen Co., Ld., and anr.
12023. Williams.
14021. The Firm of Eisenwerk Gesellschaft Maximilianshutte.
15340. Eriths' Engineering Co., Ld.
19441. The Burmah Oil Co., Ld.
19495. The Asiatic Petroleum Co., Ld.
19610. The Singer Manufacturing Co.
19612. Imperial Chemical Industries, Ld.
20565. Tiraferri.
20574. Charley and anr.
21593. Marconi's Wireless Telegraph Co., Ld.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets:—

Class 1. No. 62914. Kali Pada Paul, of Baranagore, 24 Parganas, British India. January 5, 1938.

Class 1. No. 62942. Kali Pada Paul, of Baranagore, 24 Parganas, Bengal, British India. January 11, 1938.

Class 1. No. 63272. Friedrich Wilhelm Luling, of Volmarstein on the Ruhr, Germany. April 20, 1938.

Class 12. No. 63290. George William Battle trading as G. W. Battle & Co., of 2, Elmira Street, Lewisham, London, S. E. 13. (November 29, 1937).

Class 13. Nos. 63257 to 63260. Gosho Kabushiki Kaisha, Ld., of Albert Building, Hornby Road, Fort, Bombay, British India. April 19, 1938.

Class 13. Nos. 63267 to 63271. E. D. Sassoon & Co., Ld., of E. D. Sassoon Building, Ballard Estate, Bombay, British India. April 20, 1938.

Class 13. No. 63274. The Mafatlal Fine Spg. & Mfg. Co., Ld., of Navsari, Baroda State. April 22, 1938.

Class 13. No. 63276. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. April 22, 1938.

Class 14. No. 63275. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. April 22, 1938.

Extension of Copyright in Designs.

Copyright in the following design has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of the entry is the date of registration of the design included in the entry:—

Class 13. Nos. 57043, 57044, 57045, 57046, 57047, 57048 and 57049. The Bombay Co., Ld., of 19, British Indian Street, Calcutta, British India. August 9, 1933.

NOTICES

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as

modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). .	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICE.

Karachi, the 27th April 1938.

Portions of the following notes of the Karachi Office of Issue are stated to have been destroyed and applications for payment of their value have been received from the persons whose names are shown against the numbers. Any other person/party who consider(s) himself/themselves as having a right to them is/are warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
T/30-328487	100	Mr. Badri Narain, S/o Bikchand, C/o Mr. Bikchand Badri Narain, Khanpur, N. W. R., (Bahawalpur State).
T/3-665355	100	Mr. Motiram Mohandas, Lakha Mandar, Larkana, C/o Seth Mangharam Govermal, New Chali, Karachi.

P. D. CHATTERJEE,

Currency Officer.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT, KARACHI.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 6th May 1938.

No. 01824-E.—Captain J. R. S. W. Elkington, R.E., Executive Engineer, Bombay Central Division, Bombay, is granted under Fundamental Rule 100 leave on average pay out of India for 1 month and 29 days combined with leave on private affairs for 4 months and 1 day under the Military Rules, with effect from the afternoon of the 24th April 1938.

No. 01828-E./01370-E.—Mr. Malik Akbar Hyat Khan Noon, Assistant Executive Engineer, Provincial Division, New Delhi, is granted earned leave in India for 2½ months, with effect from the forenoon of the 19th April 1938, with permission to prefix to his leave the Easter Holidays, from 15th to 18th April 1938.

A. BREBNER,

Chief Engineer.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Return of the Rupee Debt of the Central Government of India for 28th February 1938.

[Thousands of Rupees.

PUBLIC DEBT BEARING INTEREST.

Particulars.	Date of issue.	Conditions of Repayment.	Amount out-standing.	TOTAL.
			Rs.	Rs.
TREASURY BILLS .	..	....	40,75,75	
WAYS AND MEANS ADVANCES.	..	....	..	
POST OFFICE CASH CERTIFICATES.	..	....	60,53,44	
POST OFFICE SAVINGS BANK DEPOSITS.	..	....	78,97,62	
PROVIDENT FUNDS AND OTHER UNFUNDED DEBT.	..	....	94,29,09	2,74,55,90
TERMINABLE LOANS—				
5¼% Loan, 1938-40 .	1st Oct. 1932 .	On or before 1st October 1940, but not preceding 1st October 1938, with three months' previous notice.	19,13,90	
6% Loan, 1939-44 .	15th July 1929	On or before 15th July 1944, but not preceding 15th July 1939, with three months' previous notice.	27,78,12	
5% Loan, 1940-43 .	1st Oct. 1932 .	On or before 1st October 1943, but not preceding 1st October 1940, with three months' previous notice.	25,18,48	
3% Bonds, 1941 . .	15th Sept. 1934	On 15th September 1941	10,67,32	
4% Bonds, 1943	1st Feb. 1933 .	On 1st August 1943 . .	14,97,18	
5% Income Tax Free Loan, 1945-55.	15th Oct. 1919	On or before 15th October 1955, but not preceding 15th October 1945, with three months' previous notice.	56,74,94	
3½% Loan, 1947-50 .	15th May 1933	On or before 15th November 1950, but not preceding 15th November 1947, with three months' previous notice.	55,94,37	
[illegible]% Loan, 1948-52 .	1st June 1936 .	On or before 1st June 1952, but not preceding 1st June 1948, with three months' previous notice.	12,01,28	
3% Loan, 1951-54 .	15th Sept. 1935	On or before 15th September 1954, but not preceding 15th September 1951, with three months' previous notice.	15,12,85	
4½% Loan, 1955-60	15th Sept. 1928	On or before 15th September 1960, but not preceding 15th September 1955, with three months' previous notice.	9,05,70	
4% Loan, 1960-70	15th Sept. 1926	On or before 15th September 1970, but not preceding 15th September 1960, with three months' previous notice.	63,30,26	3,09,94,40
NON-TERMINABLE LOANS—				
THREE AND HALF PER CENT.—				
1842-43 . . .	1st Feb. 1843	At the option of the Government of India after three months' notice.	24,47,56	
1854-55 . .	30th June 1854	Ditto . . .	20,80,98	
" coupon (a) .	..	Ditto . . .	5,60	
1865 . . .	1st May 1865 .	Ditto . . .	38,49,45	
Reduced, 1879. .	16th Jan. 1879.	Ditto . . .	2,71,34	
1900-01 . . .	30th June 1900	Ditto . . .	36,47,10	1,23,02,03
THREE PER CENT.—				
1896-97 . . .	22nd July 1896	Ditto . .	3,23,54	3,23,54
RAILWAY LOANS—				
Maharaja Holkar, 4½ p. c.	(1870-77). .	After 101 years . . .	70,00	
Maharaja Scindia, 4 p. c.	..	..	1,50,00	2,20,00
		TOTAL .		7,12,95,87*

PUBLIC DEBT NOT BEARING INTEREST.

Particulars.	Date of discharge.	Amount.
		Rs.
5½% War Bonds, 1920.	15th Aug. 1920.	2,87
5½% War Bonds, 1921.	15th Sept. 1921.	2,54
5½% War Bonds, 1922.	15th Aug. 1922.	1,79
5½% War Bonds, 1923.	15th Sept. 1923.	48
4% Terminable Loan of 1915-16.	30th Nov. 1923.	25
5½% War Bonds, 1925.	15th Sept. 1925.	17
6% Bonds, 1926.	15th Sept. 1926.	93
6% Bonds, 1927.	1st Oct. 1927.	1,55
5½% War Bonds, 1928.	15th Sept. 1928.	1,35
6% Bonds, 1930.	15th Aug. 1930.	3,77
6% Bonds, 1931.	15th Sept. 1931.	27
6% Bonds, 1932.	1st Oct. 1932.	1,19
5% War Loan, 1929-47.	15th May 1933.	4,25
4% Conversion Loan of 1916-17.	1st July 1933.	59
6% Bonds, 1933-36.	15th Aug. 1933.	3,38
5% Bonds, 1933.	1st Sept. 1933.	1,98
4% Loan, 1934-37.	16th Aug. 1934.	2,65
4½% Bonds, 1934.	15th Sept. 1934.	2,11
5% Bonds, 1935.	15th Sept. 1935.	1,92
6½% Treasury Bonds, 1935.	15th Sept. 1935.	8,66
	TOTAL .	42,70

(a) Issued in London in conversion of the 4½ per cent. Loan.
* Amount held in London is 7,63,78

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES,
New Delhi, the 5th May 1938.

M. SUBRAHMANYAN,
Accountant General, Central Revenues.

RESERVE BANK OF INDIA—PUBLIC DEBT OFFICE.

Statement of Government Promissory Notes enfaced for payment of Interest in London, under deduction of am[illegible] re-transferred to India, and outstanding in the Books of the Indian Government Rupee Loans Office, Reserve B[illegible] of India, on the 30th April 1938.

PARTICULARS.	2½ PER CENT. LOAN.	3 PER CENT. LOANS.			3½ PER CENT. LOANS.					
	1948-52.	1896-97.	BONDS, 1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-[illegible]
Balance of 31st March 1938	*Nil*	11,40,600	*Nil*	1,06,700	27,04,600	96,22,900	40,65,300	10,99,100	4,05,250	3,30,[illegible]
Add—										
Amount of Loan Certificate transferred to Stock in London	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to 5th April 1938	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to 7th April 1938	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Calcutta between 1st and 30th April 1938	...	...	...	...	...	7,600	...	...	...	...
	Nil	11,40,600	*Nil*	1,06,700	27,04,600	96,30,500	40,65,300	10,99,100	4,05,250	3,30,6[illegible]
Deduct—										
Amount written off in the London Registers	...	...	...	...	4,500	26,800	2,700	2,600	...	...
Balance on 30th April 1938	*Nil*	11,40,600	*Nil*	1,06,700	27,00,100	96,03,700	40,62,600	10,96,500	4,05,250	3,30,60,[illegible]

PARTICULARS.	4 PER CENT. LOANS.		4½ PER CENT. LOAN.	5 PER CENT. LOANS.				5½ PER CENT. LOANS.		TOTAL.
	BONDS, 1943.	1960-70.	1955-60.	Indian War Loan, 1929-47.	1945-55.	1939-44.	1940-43.	War Bonds, 1928.	1938-40.	
Balance of 31st March 1938	2,00,00,000	4,39,400	8,500	100	23,60,400	6,21,300	4,95,100	100	1,88,000	7,63,17,[illegible]
Add—										
Amount of Loan Certificate transferred to Stock in London	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to 5th April 1938	...	1,81,500	...	...	...	...	...	...	...	1,81,[illegible]
Amount enfaced at Bombay up to 7th April 1938	...	...	...	...	...	...	2,000	...	...	2,[illegible]
Amount enfaced at Calcutta between 1st and 30th April 1938	...	71,900	...	...	...	1,500	41,600	...	...	1,22,[illegible]
	2,00,00,000	6,92,800	8,500	100	23,6 ,400	6,22,800	5,38,700	100	1,88,000	7,66,2[illegible]
Deduct—										
Amount written off in the London Registers	...	...	...	...	1,200	...	...	...	...	37,[illegible]
Balance on 30th April 1938	2,00,00,000	6,92,800	8,500	100	23,59,200	6,22,800	5,38,700	100	1 88,000	7,65,8[illegible]

RESERVE BANK OF INDIA;
PUBLIC DEBT OFFICE;
Calcutta, the 9th May 1938.

S. A. RAHIM,
Accountant.

L. PERTWEE,
Manager.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 5th May 1938.

No. 15.—1. Messrs. Gauri Shanker, Pyare Lal Thapar and Hari Ram Wasdev are appointed respectively to act as Assistant Currency Officer, Senior Superintendent and Junior Superintendent, Reserve Bank of India, Issue Department, Lahore, with effect from the afternoon of the 27th April 1938, *vice* Mr. Ganga Bishan transferred to the Bank's Delhi Office.

2. Mr. P. S. V. Nambi, is appointed to act as Currency Officer, Reserve Bank of India, Issue Department, Madras, with effect from the afternoon of the 30th April 1938, *vice* Mr. V. S. Marballi proceeded on leave.

3. The following appointments are made in the Reserve Bank of India, Bombay, with effect from the 1st May 1938, consequent on Mr. J. F. X. deMiranda having proceed on leave:—

(1) Messrs. G. L. Bijur and P. B. Hate, as Senior Superintendent and officiating Senior Superintendent respectively in the Public Debt Office.

(2) Messrs. N. K. Desai and C. G. Joglekar as Senior Superintendent and officiating Senior Superintendent respectively; Messrs. S. R. Shiraly and P. V. Colvalcar as officiating Junior Superintendents.

4. Mr. P. G. Agashe, is appointed to act as a Junior Superintendent, Reserve Bank of India, Bombay, with effect from the 1st May 1938, *vice* Mr. F. Gonsalves proceeded on leave.

MANILAL B. NANAVATI,

Deputy Governor.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATION.

Simla, the 9th May 1938.

No. D.-392 (11).—Mr. K. N. Sharma, B.Sc. (Benares), A.M.I.E. (Ind.), Assistant Engineer (Inspection), Calcutta Circle, Indian Stores Department, is granted leave on average pay for two months, with effect from the 25th April 1938, with permission to prefix to the leave Sunday, the 24th April 1938.

J. S. PITKEATHLY,

Chief Controller of Stores.

OFFICE OF COMMISSIONER, CENTRAL EXCISES AND SALT, NORTHERN INDIA.

NOTIFICATIONS.

APPOINTMENT.

Delhi, the 20th April 1938.

No. 55.—Mr. E. R. C. Goodwin, Superintendent, Cawnpore Circle, Central Division, is appointed as officiating Assistant Commissioner, with effect from the 7th April 1938, *vice* Mr. W. O. Davey, Assistant Commissioner, granted leave, and posted as Assistant General Manager, Sambhar.

(F. No. 99-Et./38.)

LEAVE.

Delhi, the 2nd April 1938.

No. 46.—In supersession of this office Notification No. 22, dated the 14th March 1938, Mr. W. O. Davey, Assistant Commissioner, Central Excises and Salt, Northern India, Central Division, is granted 2 months and 9 days leave on average pay combined with 3 months and 21 days leave on half average pay, not due, with effect from the 23rd March 1938.

(99-Et./38.)

Delhi, the 6th April 1938.

No. 52.—Mr. Abdul Aziz Beg, Superintendent, Didwana, Rajputana Salt Sources Division, is granted 9 days leave on average pay in extension of the leave sanctioned in this office Notification No. 42, dated the 31st March 1938, with permission to affix Sunday the 10th April 1938, to the leave.

(126-Et./38.)

Delhi, the 15th April 1938.

No. 54.—Mr. A. David, Superintendent, Jatta Circle, North-West Preventive Division, is granted one month's leave on average pay, with effect from the 1st May 1938.

(175-Et./38.)

Delhi, the 26th April 1938.

No. 58.—Mr. Diwan Chand, Superintendent, Gudha Circle, Rajputana Salt Sources Division, is granted 4 months leave on average pay on medical certificate in extension of the leave sanctioned in this office Notification No. 133, dated the 23rd December 1937.

(432-Et./37.)

F. C. KING,

Commissioner,

Central Excises and Salt, Northern India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 14th May 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER.

Principal,

Indian School of Mines.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE.

NOTIFICATION.

New Delhi, the 9th May 1938.

No. 3592.—This office Notification No. 3091, dated 21st April 1938, sanctioning the officiating appointment of Mr. R. Thomas, Botany Assistant on the establishment of the Sugarcane Expert as Assistant Sugarcane Expert, *vice* Mr. K. Krishnamurthi Rao, granted leave preparatory to retirement, is hereby cancelled.

B. VISWA NATH,

Director.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 6th May 1938.

No. 92-P.—The services of No. 1929 Jemadar Fazal Haq, Khan Sahib, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 9th April 1938.

New Delhi, the 9th May 1938.

No. 93-P.—The services of 4th Class Assistant Surgeon D. J. W. D'Costa, I.M.D., are placed at the disposal of the Punjab Government for employment as House Surgeon, Walker Hospital, Simla, with effect from the 12th April 1938.

W. M. WILL,

Lieut.-Colonel, I.M.S.,

for Director General, I.M.S.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 7th May 1938.

No. 28/An.—Mr. W. C. S. Speirs, Deputy Controller of Military Accounts, Western Command, Karachi, is granted combined leave ex-India for 5 months and 25 days, with effect from the 25th April 1938, consisting of privilege leave for 4 months and the balance furlough on full average salary.

No. 29/An.—Mr. F. W. Reed, Deputy Controller of Military Accounts, Northern Command, Rawalpindi, is granted combined leave pending retirement from the 2nd June 1938 to the 6th March 1939, consisting of privilege leave for 4 months, furlough on full average salary for 14 days and the balance furlough on half average salary.

No. 30/An.—The undermentioned Deputy Assistant Controllers of Military Accounts in the office of the Controller of Military Accounts, Southern Command, have been granted leave as shown against their names:—

Mr. S. Mendonsa .	Privilege leave for one month and 13 days with effect from the 19th April 1938 with permission to prefix the Easter holidays from the 15th to the 18th April 1938.
Mr. P. Mahadev Aiyar	Privilege leave for three months with effect from the 20th April 1938.
Mr. P. Singaravelu Mudaliar.	Privilege leave for one month and 15 days with effect from the 21st April 1938.

No. 31/An.—The udnermentioned accountants in the office of the Controller of Military Accounts, Southern Command, have been appointed to officiate as Deputy Assistant Controllers of Military Accounts in that office, with effect from the dates shown against their names:—

Mr. C. K. Nair . .	19th April 1938 (forenoon).
Mr. B. B. Tarawade . .	19th April 1938 (forenoon).
Mr. S. P. R. Sarma . .	20th April 1938 (forenoon).
Mr. G. P. Gaikwad . .	21st April 1938 (forenoon).

Simla, the 10th May 1938.

No. 32-An.—Mr. Banna Ram, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, reverted to his substantive grade, with effect from the afternoon of the 2nd May 1938.

No. 33-An.—Mr. E. M. Fullam, Deputy Assistant Military Accountant General (Pay), has been granted privilege leave for 21 days, with effect from the forenoon of the 25th April 1938.

No. 34-An.—Mr. K. S. Kothandarama Aiyar, an accountant in the office of the Military Accountant General, has been appointed to officiate as Deputy Assistant Military Accountant General (Pay), with effect from the forenoon of the 25th April 1938.

J. PARLBY,

Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

Camp Peshawar, the 5th May 1938.

No. S.-177/11.—Mr. J. D. Kapur, Deputy Assistant Engineer, Telegraphs, Grade B, is permitted to retire from service, with effect from the 1st July 1938.

Simla, the 9th May 1938.

No. S.-177/6.—Mr. S. R. Haldavanekar, Postmaster, Grade A, is permitted to retire from service, with effect from the 19th October 1938.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 3rd May 1938.

No. 1883/2-E./29-C. T.—Mr. S. G. Sen Gupta, M.A., B.L., Income-tax Officer, District IV (3), Calcutta, is allowed under Fundamental Rule 81 (b) (ii) an extension of leave on average pay for 10 days, with effect from the 24th December 1937, in continuation of the leave already granted in my Order No. 10103-C. T., dated the 8th November 1937. It is also certified that the above officer has returned to the post of the Income-tax Officer, District IV (3), Calcutta, on the expiry of his leave.

S. N. BANERJEA,

Commissioner of Income-tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 4th May 1938.

No. E. P.-439.—Mr. R. A. Saunders Jacobs, Officiating Executive Engineer, Senior Scale, has been granted 120 days privilege leave combined with one month and 11 days furlough on full pay *plus* 3 months furlough on half pay to Europe, with effect from the 6th May 1938, or subsequent date of relief.

This cancels Notification No. E. P.-439, dated the 17th February 1938, published in the *Gazette of India*, Part II, dated the 26th February 1938.

Calcutta, the 6th May 1938.

No. 198/22.—Rai Bahadur N. C. Ghosh, Divisional Superintendent, has been granted 4 months privilege leave combined with 3 months and 21 days furlough on full pay out of India or Ceylon, with effect from the 12th May 1938 or subsequent date of relief.

No. A. E.-2274.—Mr. G. Waugh, Assistant Superintendent, Junior Scale, Mechanical Engineering and Transportation (Power) Department has been granted 4 months privilege leave combined with 4 months furlough on full pay *plus* 7 days furlough on half pay out of India, with effect from the 10th May 1938, or subsequent date of relief.

No. A. E.-2852.—Mr. H. Stanhope, Printing Superintendent, has been granted 6 months leave on average pay to Europe, with effect from the 2nd June 1938 or subsequent date of relief.

J. A. BELL,

Agent.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 7th May 1938.

No. 54.—Mr. F. J. DeSouza, Personal Assistant to Chief Engineer, is granted an extension of leave on average pay for 4 months, with effect from 23rd April 1938, in continuation of the leave already granted to him under this office Notification No. 46, dated 11th April 1938.

C. F. CARSON,

Lt.-Col., R.E.,

Agent.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, MAY 21, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage. Rs.	A.	P.	Additional postage for supplies out of India. Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

	Including packing and Indian postage. Rs.	A.	P.	Additional postage for supplies out of India. Rs.	A.	P.
Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

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Parts I, II, II-A, III or Supplement each	0	6	0
Parts I-A, IV or V each	0	3	0
Extraordinary issues	Price fixed for each issue individually		

There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central Local Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 21st May 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

May 9, 1938.

25204. S. Azamatullah. "Deccan sun shade".

25205. A. K. Datta. Improvements in or relating to manufacture of cementing materials. [Divisional date December 23, 1937].

25206. V. K. Saksena. Wireless receiver.

25207. O. Weber. Improvements in or relating to the treatment of sea-slime and like slimy material to enable it to be transported.

25208. The Dorr Co. Inc. Sewage treatment. (July 6, 1937).

25209. Saml. Hanson & Son, Ld. Improvements in the manufacturing process of tins and like containers.

25210. D. H. Remfry. Improvements in or relating to bottles and like containers.

25211. D. H. Remfry. Improvements in blood transfusion apparatus.

25212. D. R. S. Becker. Improvements in the recovery of pulp from paper or the like.

25213. The General Electric Co. Ld. Improvements in or relating to electric discharge lamps comprising luminescent materials. (February 25, 1937). [Addition to Nos. 24249 and 24607]. [Divisional date July 22, 1937].

May 10.

25214. Sheikh Zahir-ud-din. Improved method of or means for embossing glass bangles.

25215. A. G. Sharp-Collett. Improvements in or relating to an apparatus for mixing blending or bulking tea and similar substances.

25216. S. M. Saied. An improved portable hearth. [Addition to No. 23205].

25217. J. G. Wakefield. Improvements in or relating to tube wells. (May 11, 1937).

25218. U. Pomilio. Improvements in or relating to processes and apparatus for the extraction of cellulosic fibres from vegetable material. [Divisional date July 19, 1937].

25219. U. Pomilio. Improvements in or relating to processes and apparatus for the extraction of cellulosic fibres from vegetable material. [Divisional date July 19, 1937].

25220. J. McCrae, and Fairbairn Lawson Combe Barbour Ld. Decorticating apparatus for obtaining fibres from the leaves of sisal and like plants.

25221. J. McCrae, and Fairbairn Lawson Combe Barbour Ld. Mechanism for decorticating fibres obtained from the leaves of sisal and like plants.

25222. J. McCrae and Fairbairn Lawson Combe Barbour Ld. Method of obtaining fibres from the leaves of sisal and like plants.

25223. Spence Ld., and W. A. Robinson. Improvements in and relating to oil guns and like lubricant injection apparatus.

May 11.

25224. Formeta-Beton A/S. Improvements in storey partitions, concrete floorings and ceilings and similar parts of building constructions.

May 12.

25225. P. C. Mukerjee. Maxima recording speedometer.

25226. The British Aluminium Co. Ld. Improvements in and relating to the surface treatment of metallic sheets. (May 14, 1937).

Alteration of Date.

(I)

23978. Post-dated 8th April 1938, under Section 5.

(II)

25205. Ante-dated 23rd December 1937. under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23978. Sub-Conductor H. P. Carter. An apparatus or slinging arrangement for fractured arms and legs. *Two horizontal beams and two end pieces connected by uprights with pulleys and strings and means for adjusting the uprights.*

23993. The Raleigh Cycle Co. Ld., and G. W. Rawlings. Improvements in or relating to magneto electric machines. (May 12, 1936). *Magnet has interpolar contour so as to give load voltage speed regulation.*

24017. Standard Telephones and Cables Ld. Improvements in or relating to electric signalling systems. (June 19, 1936). *Means for signalling by unidirectional current over A. C. circuit.*

24222. M. T. Ahmad. Improvements in or relating to tubewell strainers. *Straining element comprising intertwined metal wire and fibrous material.*

24450. The General Electric Company Limited. Improvements in or relating to apparatus including a scanning disc for transmitting television and like purposes. (September 22, 1936). *Magnification of the optical means projecting the image is waried in time.*

24568. H. K. M. Vyas. Photo chemical process of gramophone recording. *Sound recorded as a wave line on plane surface and then a line block made.*

24577. D. H. Remfry. An improved telephone call meter. *First and 2nd counting mechanism operating independently for each call and total respectively.*

24646. The Eastern Engineering Co. Improvements in or relating to a method of separating ferrous materials from tea and an apparatus therefor. *Magnetic coils arranged in parallel with pole-shoes cut obliquely and bevelled.*

24693. J. Halden & Co. Ld., and J. Holden. Improvements in and relating to the production of light sensitive printing papers. (December 4, 1936). *Sensitising with a solution containing a ferric salt, a ferro cyanide and a buffer salt.*

24734. The English Electric Co., Ld. Improvements in dynamo electric machines. *In response to variation of current through armature excitation is changed proportionately, but in a reverse sense.*

24777. A. K. Datta. Improvements in or relating to manufacture of cementing materials. *Burning mixture of clay and lime.*

24788. A. G. Kershaw and Westinghouse Brake and Signal Co., Ld. Improvements relating to point or signal operating levers for railways and the like. (February 12, 1937). *Abutment for one end of control spring mounted on lever.*

24850. International Combustion Ld., and W. F. Harlow. Improvements in centrifugal pumps. (April 26, 1937). *Outer annular part of the centre disc and adjacent portions of the auxiliary vanes made wholly of soild rubber.*

24861. The General Electric Co., Ld. Improvements in vacuum-tight ceramic bodies suitable for sealing to soft glass. (January 20, 1937). *Comprising 20-35 per cent. of beryllium oxide, 80-65 per cent. magnesium oxide and 0·2 to 2 per cent. of titanium oxide.*

24900. A. L. McWilliam, E. L. Goodman and McLeod & Co. Ld. Improved pressure cap operating mechanism for tea-leaf rolling machines. *Means for raising cap clear of the hood and then tilting it.*

25205. A. K. Datta. Improvements in or relating to manufacture of cementing materials. [Ante-dated December 23, 1937]. *Mixing powdered over-burnt brick with cement.*

Patents Sealed.

22688. Revri.
23198. Kadenacy and Armstrong Whitworth Securities Co. Ld.
23244. Farrer.
23339. Watumal.
23522. D'Istria.
23562. Bratt.
23621. Ferguson.
23759. Braithwaite & Co. Engineers Ld., and Anderson.
23784. Prof. Dr. Kirschbaum and Dipl. Ing. Starck.
23887. Nuttall.
24082. Conrad.
24112. Aluminum Colors Inc.
24248. L. S. Davar & Co.
24255. Cartledge.
24353. The Keelavite Co. Ld.
24375. Salfisberg.
24387. Refining, Inc.
24418. Greenfield.
24441. I. G. Farbenindustrie Aktiengesellschaft.
24288. Dewanchand & Sons.

Amendment Proceedings.

(I)

23489. In pursuance of leave granted on the 9th May 1938, the request for amendment relating to the above-numbered specification advertised in Part II of the *Gazette of India*, dated the 22nd January 1938, has been allowed.

(II)

23985. In pursuance of leave granted on the 9th May 1938, the above-numbered specification has been amended in the manner set forth in Part II of the *Gazatte of India*, dated the 29th January 1938.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

8218. Douglas Henry Remfry.
8218. The Public Trustee of London.

Renewal Fees Paid.

PATENTS.

11381. Petree & Dorr Engineers Inc. (To 1st June 1939).
11482. Marconi's Wireless Telegraph Co. Ld. (To 17th July 1939).
12374. Marconi's Wireless Telegraph Co. Ld. (To 6th July 1939).
13358. Remfry & Son. (To 16th May 1939).
13425. Electrical Research Products, Inc. (To 11th July 1939).

13444. Electrical Research Products, Inc. (To 18th July 1939).
14025. Page and ors. (To 9th July 1939).
14551. Burmah-Shell Oil Storage & Distributing Co. of India Ld. (To 5th July 1939).
14555. deWhalley. (To 9th July 1939).
16128. Lellep. (To 12th August 1939).
16991. Indian Air Survey & Transport Ld. (To 12th May 1939).
17274. J. Stone & Co., Ld. (To 9th September 1939).
18250. Electrical Research Products, Inc. (To 10th July 1939).
18255. Electrical Research Products, Inc. (To 18th July 1939).
18368. Electrical Research Products, Inc. (To 30th July 1939).
18378. J. Stone & Co. Ld. (To 24th September 1939).
19021. Aktiebolaget Gerh. Arhens Mekaniska Verkstad. (To 20th June 1939).
19034. Tate. (To 23rd July 1939).
19055. Marconi's Wireless Telegraph Co. Ld. (To 27th July 1939).
19897. Corbould and anr. (To 12th May 1939).
20049. Marconi's Wireless Telegraph Co. Ld. (To 2nd July 1939).
20058. Marconi's Wireless Telegraph Co. Ld. (To 4th July 1939).
20087. The Barber Asphalt Co. (To 17th July 1939).
20117. Lalkaka. (To 28th July 1939).
20391. Sheffield & ors. (To 28th July 1939).
20869. Hume Steel Ld. (To 14th May 1939).
20870. Hume Steel Ld. (To 14th May 1939).
20947. Bloch and anr. (To 12th June 1939).
20964. Dewanchand & Sons. (To 23rd June 1939).
21004. Dufacolor Ld. (To 9th July 1939).
21139. George Dobie & Son Ld., and anr. (To 4th September 1939).
21224. Associated Electrical Industries Ld. (To 25th October 1939).
21262. Mead, McLean & Co. Ld. (To 19th October 1939).
21992. Alexander Duckham & Co. Ld. (To 13th July 1939).
22017. Arnold. (To 20th July 1939).
22344. Adams and anr. (To 13th November 1939).
22345. Adams and anr. (To 13th November 1939).

Cessation of Patents.

16680. Standard Telephones & Cables Ld.
16683. The Spectad Development Syndicate Ld.
17764. Pedrazzo.
19639. Tobacco Industries (India) Ld.
20581. Ellens and ors.
20584. Electrolux Ld.
20586. Electrolux Ld.
20587. von Platen.
20589. The Francois Cementation Co. Ld.
20591. Mody.
21609. Electrolux Ld.
21628. Llewellyn.
21633. Burton.
21643. Lee and anr.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets:—

Class 3. Nos. 63054 and 63055. The Premier Rubber Works Ld., of 82, Colootola Street, Calcutta. February 14, 1938.

Class 10. Nos. 63056 and 63057. The Premier Rubber Works Ld., of 82, Colootola Street, Calcutta. February 14, 1938.

Class 13. No. 63295. The Indian Bleaching, Dyeing & Printing Works, Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. April 29, 1938.

Class 13. Nos. 63296 and 63297. Toyo Menka Kaisha, Ld., of No. 5, Royal Exchange Place, Calcutta, British India. April 29, 1938.

Class 13. Nos. 63302 and 63303. E. D. Sassoon & Co. Ld., of E. D. Sassoon Building, Ballard Estate, Bombay, British India. May 2, 1938.

Class 14. No. 63301. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. May 2, 1938.

NOTIFICATION.

Calcutta, the 9th May 1938.

No. 1521-P.—Mr. R. K. Vaish, Examiner of Patents, is granted leave on average pay for two months, with effect from the 10th May 1938.

K. RAMA PAI,

Controller of Patents and Designs.

NOTICES.

THE PATENT OFFICE, 1. COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	. Indian Institute of Science.
Do. . .	. Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . .	. Department of Commerce and Industries.
BERLIN . .	. The Reich Patent Office.
BOMBAY . .	. Office of the Director of Industries.
CALCUTTA . .	. Patent Office, No. 1, Council House Street.
CAWNPORE . .	. Harcourt Butler Technological Institute.
DACCA . .	. Sadar Registration Office.
DELHI . .	. Office of the Superintendent of Industries.
LAHORE . .	. Punjab Public Library.
LUCKNOW . .	. Amiruddaula Public Library.
MADRAS . .	. Record Office, Egmore.
Do . . .	. College of Engineering.
PATNA . .	. Office of the Director of Industries, Bihar and Orissa.
POONA . .	. Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	. Office of the Chief Secretary Home and Political Department, Government of Burma.
WASHINGTON . (U. S. A.).	. The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON . .	. Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Madras, the 3rd May 1938.

Portions of the following Currency Note of the Madras Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the persons whose names are shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the unersigned.

Note No.	Value.	Name and address of the applicant.
T/37:-641425	Rs. 100	Perumal Padayachi and Ponnammal Puthrakavandan p a l a y a m, Atur Taluk, Salem District.

P. S. V. NAMBI,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, MADRAS.

Karachi, the 10th May 1938.

Portions of the following note of the Karachi Office of Issue are stated to have been destroyed and an application for payment of its value have been received from the person whose name is shown against the number. Any other person/party who consider(s) himself/themselves as having a right to it/them is/are warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
T/30-178513	Rs. 100	Mr. Lajpatrai Kumar, son of L. Makand Lal Kumar, C/o The Punjab National Bank, Ltd., Quetta (Baluchistan).

P. D. CHATTERJEE,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, KARACHI.

Calcutta, the 11th May 1938.

Portion of the following note of the Calcutta Office of Issue is stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person/party who consider(s) himself/themselves as having a right to it is/are warned to communicate at once with the undersigned.

Case No.	Number of Note	Value.	Name and address of the applicant
		Rs.	
W.D./11 of 1938.	S/41-200057	100	Daulat Khan Police Head Constable, P. S. Dhuri, District Surian, (Patiala State).

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

S. GUPTA,
Currency Officer.

Lahore, the 11/18th May 1938.

Portions of the following notes of the Lahore Office of Issue are stated to have been destroyed, and payment of their value has been claimed by the person whose name is shown against the numbers Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Notes.	Value.	Name of claimant.
		Rs.	
W.D. 4 of 1938	T-18/869946	100	Mr. Hassan Ali Lambardar, Chak No. 187 Rakh Branch, Distt, Lyallpur.
	T-18/883354	100	
W.D. 5 of 1938	T-28/236388	100	Mr. Gurmuh Das Danomal Teacher Vernacular School, Masudero, Taluka Ratodro, Sind.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, LAHORE.

MUL CHAND,
Currency Officer.

Bombay, the 17th May 1938.

Portions of the following notes of the Bombay Office of Issue are stated to have been destroyed, and payment of their value has been claimed by the persons whose names are placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Notes.	Value.	Name of claimant.
		Rs.	
D-10 of 1938.	S/48-752340 S/73-053765 S/79-922356	100 100 100	Mr. Moosaj, Mahomed Dayai village Takoli, Post Navsari.
D-11 of 1938.	S/66-473712	100	Bai Kulsam Bibi wife of Usman Dadaba, Marakwada Moholla, Chock Par, Gogha.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, BOMBAY.

V. G. DESHMUKH,
Currency Officer.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 16th May 1938.

No. 16.—1. Mr. S. Bhoothalingam, I.C.S., is appointed Officer-in-charge, Agricultural Credit Department, Reserve Bank of India, Central Office, Bombay, with effect from the afternoon of the 20th April 1938, *vice* Mr. K. G. Ambegaokar, I.C.S., proceeded on leave.

2. Mr. S. K. Banerjee, an officiating Junior Superintendent, Reserve Bank of India, Calcutta, is reverted as a Senior Clerk of the same office, with effect from the 1st May 1938.

3. Mr. Baij Nath is appointed to act as a Junior Superintendent, Reserve Bank of India, Issue Department, Lahore, with effect from the 2nd May 1938, *vice* Mr. Gopi Lal proceeded on leave.

4. Mr. K. M. Mukherjee, is appointed a Junior Superintendent, Reserve Bank of India, Delhi, with effect from the 2nd May 1938.

5. Messrs. M. K. Bhattacharyya, Balmakund, N. K. Misra and Madan M. Singh are respectively appointed to act as Currency Officer, Assistant Currency Officer, Senior Superintendent and Junior Superintendent, Reserve Bank of India, Issue Department, Cawnpore, with effect from the afternoon of the 6th May 1938 consequent on Mr. P. K. Basu having proceeded on leave.

MANILAL B. NANAVATI,
Deputy Governor.

SURVEY OF INDIA.

List of maps published during the month of April 1938.

GEOGRAPHICAL, GENERAL AND SPECIAL MAPS.—Obtainable from the Officer in Charge Map Record and Issue Office, 13, Wood Street, Calcutta.

Description.	Year of survey.	Date of edition.	Number of sheets.	Size per sheet in inches.	Price.	Remarks.
					Rs. AS.	
GEOGRAPHICAL MAPS.						
INDIA & ADJACENT COUNTRIES SERIES.						
(Scale 1 : 1000,0 0)						
Sheet No. 9 "Tehrān"	..	1937	1	27×20	1 8	Ordinary Edition Second (Revised) Edition.
Sheet No. 37 "Stalinābād"	..	1936	1	26½×22	2 0	Layered Edition. Second (Revised) Edition.
Sheet No. 62 "Mānasarowar"	..	1936	1	27½×22	2 0	Layered Edition. Fourth (Revised) Edition.
*Sheet No. 85 "Prome"	..	1937	1	29×22	1 8	Ordinary Edition. Third (Revised) Edition.
SPECIAL MAPS.						
CANTONMENT PLANS.						
(Scale 16 inches to 1 mile.)						
Rāwalpindi Cantonment Sheets Nos. 3, 7 and 8.	..	1938	3	Various	2 0 per sheet.	Third (Revised) Edition.
Scale 64 inches to 1 mile.						
†Rāwalpindi Cantonment Gwāl Mandi, Grass Mandi, Marīr Hāsan and Royal Artillery and West Ridge Bāzār.	1936-37	1938	4	Do.	2 0 per sheet.	Second (Revised) Edition.
MANŒUVRE RADIUS MAPS.						
(EXTRA DEPARTMENTAL)						
(Scale 1 inch to 1 mile.)						
Rāwalpindi Educational Training Map.	..	1932	1	18×18	1 0	Gridded.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Index Number.	District, etc.	Year of survey.	Date of edition.	Price.	Remarks.
				Rs. AS.	Underlining for Map Catalogue :— (a) Double red lines.
	1. HALF-INCH MAPS.				
	(Scale 1 inch to 2 miles.)				
72 C/SW	Parts of Gaya and Shāhābād District.	1933-34	1937	2 0	(a)
84 B/NW	Parts of Lushai Hills and Chittagong Districts and Chittagong Hill Tracts.	1935-36	1937	2 0	(a)

* Copies of these maps are obtainable from the Curator, Government Book Depot, Rangoon, Burma.
† This publication supersedes items 218 and 220 of Appendix 5 of the Map Catalogue.

List of maps published during the month of April 1938.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta—*contd.*

Index Number.	District, etc.	Year of survey.	Date of edition.	Price.	Remarks.
	2. ONE-INCH MAPS. (*Scale 1 inch to 1 mile*).			Rs. As.	Underlining for map Catalogue :— (*a*) Double red lines.
*43 $\frac{H}{2}$	Parts of Gujrāt, Jhelum and Shāhpur Districts.	1909-10 (corrected 1933)	1937	1 8	Third (Revised) Edition.
*43 $\frac{H}{13}$	Parts of Mīrpur, Gujrāt and Jhelum Districts.	1909-10 (corrected 1933)	1937	1 8	Fourth (Revised) Edition.
44 $\frac{P}{9}$	Parts of Hissār District and Bīkaner State.	1935-36	1937	1 8	Second (Revised) Edition.
*47 $\frac{E}{8}$	Parts of Kolāba and Thāna Districts.	1924-25	1938	1 8	Second edition.
*47 $\frac{F}{5}$	Parts of Kolāba and Poona Districts.	1925-26	1938	1 8	Ditto.
*53 $\frac{H}{1}$	Parts of Delhi, Rohtak and Meerut Districts.	1933-34 1935-36	1937	1 8	Third (Revised) Edition.
*57 $\frac{H}{13}$	Parts of Salem, Bangalore and Kolār Districts.	1912-13	1937	1 8	Second Edition.
58 $\frac{B}{12}$	Parts of Cochin and Travancore States.	1910-13	1937	1 8	Ditto.
*58 $\frac{B}{14}$	Parts of Coimbatore and Malabar Districts and Cochin State.	1909-10	1937	1 8	Ditto.
65 $\frac{M}{7}$	Parts of Kālāhandi State and Koraput District.	1935-36	1937	1 8	(*a*) Complete map.
83 $\frac{J}{6}$	Parts of Nāga Hills and Sibsāgar Districts.	1915-16	1937	1 8	Second Edition.
†*93 $\frac{B}{4}$	Parts of Mandalay and Sagaing Districts.	1935-36	1937	1 8	(*a*)
†*93 $\frac{C}{1}$	Parts of Kyaukse, Mandalay and Sagaing Districts.	1935-36	1937	1 8	(*a*)

* Gridded copies of these maps can be supplied at annas three per copy extra.

† Copies of these maps are obtainable from the Curator, Govt. Book Depot, Rangoon, Burma.

Stock copies of the following maps were gridded during the month :—

47 $\frac{I}{16}$ and 63 $\frac{K}{4}$.

The following was also published during the month and is obtainable from the Director, Geodetic Branch, Survey of India, Dehra Dūn ;—

Takhtewālon Ke Līye Hidāyāt.

List of maps published during the month of April 1938.

FOREST MAPS.—Obtainable from the Officer-in-charge, Forest Map Office, Survey of India, Dehra Dūn.

Description.	Year of Survey.	Date of edition.	No. of sheets.	Size per sheet in inches.	Price. Un-coloured	Price. Coloured.	Remarks.
					Rs. as.	Rs. as.	
FOREST MAPS.							
(Scale 4 inches to 1 mile.)							
Haldwāni, Naini Tāl and Rāmnagar Forest Division Sheet No. 60 .	1879-80	1938	1	41×30	3 0	4 8	Third Edition.
Naini Tāl and Rāmnagar Forest Division Sheet No. 45	187[illegible]-80 1915-16	1938	1	41×30	3 0	4 8	Fourth Edition.
Naini Tāl and Rāmnagar Forest Division Sheet No. 46	1878-79	1938	1	41×30	3 0	4 8	Second Edition.
Naini Tāl and Rāmnagar Forest Division Sheet No. 54	1877-78 1879-80 1889-90	1938	1	41×30	3 0	4 8	Third Edition.
Naini Tāl and Rāmnagar Forest Division Sheet No. 55 . . .	1878-80	1938	1	41×30	3 0	4 8	Second Edition.
Salu Reserve, Salu, Salu Extension and Pyinbongyi Extension Blocks falling in sheet No. 94 C/6 . .	1899-1900 1923-24 1936-37	1938	1	30×22	1 8	2 4	Second (Revised) Edition.

C. G. LEWIS, *Brigadier*,
Surveyor General of India.

SURVEY OF INDIA.

Office of the Director, Frontier Circle.

NOTIFICATIONS.

Simla, the 10th May 1938.

No. 4.—Earned leave for 30 days granted to Mr. Tirlochan Singh, C.E., Extra Assistant Superintendent, Survey of India, under Frontier Circle Notification No. 1 (1938), dated 19th April 1938, is hereby cancelled.

J. D. CAMPBELL,
Colonel,
Director, Frontier Circle.

Surveyor General's Office.

Calcutta the 10th May 1938.

No. 1634.—In accordance with the sanction conveyed in the Government of India, Education, Health and Lands Department, Letter No. F. 16-8/38-F., dated the 3rd May 1938, Mr. A. Lacamp, is appointed to officiate as Superintendent, Mathematical Instrument Office, with effect from the 30th March 1938, *vice* Mr. R. C. Malcolm on leave.

C. G. LEWIS,
Brigadier,
Surveyor General of India.

GEOLOGICAL SURVEY OF INDIA.

NOTIFICATION.

Calcutta, the 16th May 1938.

No. 2872/1827.—Dr. B. C. Roy, Geologist, Geological Survey of India, has been granted leave on average pay for 13 days, with effect from the 25th April 1938. Dr. Roy, on his return from leave, is likely to resume his duty as Geologist in Calcutta, from where he proceeds on leave.

W. D. WEST,
for Director,
Geological Survey of India.

IMPERIAL BANK OF INDIA.

NOTICES.

Bombay, the 9th May 1938.

No. 1443.—In pursuance of Schedule II, Regulation 51 of the Imperial Bank of India Act, 1920, the Central Board have empowered Mr. Jog Dhian Minocha, Clerk at Khewra Salt Depot, to endorse railway receipts and execute Indemnity Bonds in respect of lost railway receipts on behalf of the Bank, with effect from the 30th April 1938, *vice* Mr. Harbans Singh Chawla.

W. LAMOND,
Managing Director.

Bombay, the 12th May 1938.

The following appointment on the Bank's Staff is hereby notified:—

Mr. R. R. Pandit to act as Accountant at Ajmer Branch as from the close of business on 28th April 1938 *vice* Mr. J. F. Lobo.

A. McCULLOCH,

Secretary and Treasurer.

IMPERIAL VETERINARY RESEARCH INSTITUTE, MUKTESWAR.

NOTIFICATION.

Mukteswar-Kumaun, U. P., the 16th May 1938.

No. G./876.—Mr. V. R. Rajagopalan, G.M.V.C., is appointed to the post of Head Laboratory Assistant, Biological Products Section, Imperial Veterinary Research Institute, Izatnagar, in the scale of Rs. 250—20—550 (Efficiency Bar)—25—750 per mensem on probation for two years, with effect from the 10th May 1938. From the same date he is appointed to officiate as Assistant Veterinary Research Officer, Imperial Veterinary Research Institute, Mukteswar, in the scale of Rs. 250—25—550 (Efficiency Bar)—25—750 per mensem, *vice* Mr. M. B. Menon, on deputation.

Mr. S. K. Chaudhuri, G.C.V.C., will continue to officiate as Head Laboratory Assistant, Biological Products Section, Imperial Veterinary Research Institute, Izatnagar, until further orders.

F. WARE,

Director,

Imperial Veterinary Research Institute.

INTELLIGENCE BUREAU, (HOME DEPARTMENT), GOVERNMENT OF INDIA.

NOTIFICATION.

Simla, the 17th May 1938.

No. 20/Ests./36.—(i) Mr. Shankar Dayal Shukul, Deputy Central Intelligence Officer, Nagpur, is granted privilege leave for 3 months, with effect from the 7th May, 1938.

(ii) Mr. S. J. Tambey, Inspector, C.I.D., Central Provinces, Nagpur, is appointed to officiate as Deputy Central Intelligence Officer, Nagpur, with effect from the 12th May 1938, *vice* Mr. S. D. Shukul, granted leave.

C. R. B. MURRAY,

for Director,

Intelligence Bureau, (Home Department),

Government of India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on:
- Week-days and Saturdays from 10 A.M. to 7 P.M.
- Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 21st May 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mi-

GOVERNMENT OF INDIA, DEPARTMENT OF LABOUR.

NOTIFICATION.

CENTRAL ELECTRICITY BOARD.

Simla, the 10th May 1938.

No. A.-803.—The following draft of a further amendment to the Indian Electricity Rules, 1937, which the Central Electricity Board proposes to make in exercise of the powers conferred by Section 37 of the Indian Electricity Act, 1910 (IX of 1910), is published, as required by sub-section (1) of section 38 of the said Act, for the information of all persons likely to be affected thereby, and notice is hereby given that the draft will be taken into consideration on or after the 17th August 1938.

Any objection or suggestion which may be received from any person in respect of the said draft before the date specified will be considered by the Central Electricity Board. Such objections or suggestions should be addressed to the Secretary, Central Electricity Board, Labour Department, Kennedy House, Simla.

Draft Amendment.

In sub-rule (1) of rule 73 of the Indian Electricity Rules, 1937, the words and brackets "(not being suspended from a dead bearer-wire and not being a trolley-wire)" shall be omitted.

C. M. KER,
Secretary,
Central Electricity Board.

OFFICE OF COMMISSIONER, CENTRAL EXCISES AND SALT, NORTHERN INDIA.

NOTIFICATION.

Northern India, the 9th May 1938.

No. 488-Gl./37.—In exercise of the powers conferred by section 30 of the Indian Salt Act, 1882 (XII of 1882), hereinafter referred to as the said Act, the Commissioner Central Excises and Salt, Northern India, is pleased to invest all members of the Police Force of the United Provinces enrolled under the Police Act, 1861 (V of 1861), with the powers of a "Salt Revenue Officer" in regard to seizure of illicit salt and saltpetre and the arrest of persons in possession of such articles as described in sections 16 and 17 of the said Act.

The notification of the Government of the North-West Provinces, No. 49-A., dated the 10th April 1876, and the notification of the Chief Commissioner of Oudh, No. 2493, dated the 10th July 1876, are hereby cancelled.

F. C. KING, I.C.S.,
Commissioner,
Central Excises and Salt,
Northern India.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATION.

Simla, the 16th May 1938.

No. 36-An.—Mr. C. S. Morel, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions has been granted, pending retirement, combined leave for 9 months and 20 days, with effect from the 2nd May 1938, consisting of privilege leave for 3 months and 13 days, furlough on full average salary for 3 months and 16 days and furlough on half average salary for the remaining period.

J. PARLBY,
Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

Simla, the 9th May 1938.

No. S.-77/6.—Rao Bahadur G. N. Naidu, Deputy Postmaster-General, Central Circle, is granted leave on average pay for 15 days, with effect from the 15th May 1938.

Mr. K. Narayanan Nair, Superintendent of Post Offices, is appointed to officiate as Deputy Postmaster-General, Central Circle, *vice* Rao Bahadur G. N. Naidu.

Simla, the 12th May 1938.

No. S.-134/6/37.—Mr. R. G. Fox, Deputy Assistant Engineer, Wireless, Grade B, is permitted to retire from service, with effect from the 3rd February 1938.

G. V. BEWOOR,
Director-General of Posts and Telegraphs.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the undermentioned debtor on dates given in column 1, order of adjudication in insolvency was made against him by the High Court of Judicature at Madras on the date given in the last column.

Date of filing. 1	No. of petition. 2	Name and address of the Insolvent. 3	Date of adjudication. 4
4th April 1938	103/38	Mohamed Ali Khan, unemployed at present, residing at 7, Perambur Barracks Road, Perambur, Madras.	12th April 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 9th May 1938.

R. JAYARAM,
First Asstt. Registrar.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the creditors in column 3 of the debtors in column 4 on dates given in column 1, orders of adjudication in insolvency against the said debtors were made by the High Court of Judicature at Madras on the dates given in the last column.

Date of filing. 1	No. of petition. 2	Name of the petitioning creditor. 3	Name and address of the insolvent. 4	Date of adjudication. 5
25th February 1938.	55/38	M. Akkanna Chetty	M. A. Vaithenath Chetty, carrying on business in Ghee, at 139, Andiappanaieken Street G. T. and residing at 24, Kandappa Chetty Street G. T. Madras.	1st March 1938.
4th March 1938	63/38	1. J. D. Nichani 2. K. Lakraj	M. A. E. Mohideen Ibrahim of the Universal Chemical Diamond Works, at 150, Mogul Street, Rangoon, Present at 238, Govindappa Naieken Street, George Town, Madras.	23rd March 1938.
14th March 1938.	74/38	Hajee Fateh Mohamed	Messrs. 1. L. Murahari, 2. K. Kuppiah a firm of merchants by partners (1) L. Subbiah, and (2) L. Anantayya carrying on business at 129-130, Chowk, Triplicane, Madras, and both residing at 33, Lal Mohmed Street, Triplicane, Madras.	29th March 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 9th May 1938.

R. JAYARAM,
First Asstt. Registrar.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 10th May 1938.

No. A. E.-2134/Prom./4-I.—The following senior scale officers of the Engineering Department of the Superior Revenue Establishment, East Indian Railway, holding provisional rank, are hereby confirmed permanently, with effect from the dates noted against each:—

Name.	Date of permanent promotion to the senior scale.
1. Mr. H. Barron . .	21st August 1935.
2. " L. V. Pereira .	21st January 1936.
3. " P. W. Craker .	8th August 1937.
4. " P. L. Gupta .	30th October 1937.
5. " S. J. P. Cambridge	3rd March 1938.

No. A. E.-2134/Prom./4-II.—Mr. K. Durai, Executive Engineer, junior scale, is promoted permanently to the senior scale, with effect from the 17th December 1937.

No. A. E.-2134/Prom./4-III.—The following officers of the Engineering Department of the Superior Revenue Establshment. East Indian Railway, are promoted from the junior scale to the senior scale, provisionally from the dates noted against each:—

Name.	Date of provisional promotion to the senior scale.
1. Mr. S. J. P. Cambridge .	21st January 1936.
2. " R. A. Saunders-Jacobs	11th April 1936.

No. A. E.-2134/Prom./4-IV.—Mr. J. W. C. Holt, Superintendent, provisional, senior scale, Transportation (Traffic) and Commercial Department, is promoted permanently to the senior scale, with effect from the 7th August 1937.

No. A. E.-2134/Prom./4-V.—The following officers of the Transportation (Traffic) and Commercial Department, Superior Revenue Establishment, East Indian Railway are promoted from the junior scale to the senior scale, provisionally from the dates noted against each:—

Name.	Date of provisional promotion to the senior scale.
1. Khan Bahadur Mian Abdul Rashid.	7th August 1937.
2. Mr. W. F. B. Higman .	2nd February 1938.

Calcutta, the 14th May 1938.

No. O. P. E.-418-P. 5.—Mr. J. C. Mossley, Assistant Superintendent, Lower Gazetted service, Transportation (Traffic) and Commercial Department has been granted 2 months and 19 days leave on average pay *plus* 12 days' leave on half average pay in India, with effect from the 15th May 1938 or subsequent date of relief.

Calcutta, the 16th May 1938.

No. 198/21.—Mr. W. W. Whitney, Superintendent, Senior Scale, Mechanical Engineering and Transportation (Power) Department has been granted 86 days privilege leave combined with 18 months furlough on half pay out of India prior to retirement, with effect from the 16th June 1938.

J. A. BELL,

Agent.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 10th May 1938.

No. 21620-S./2141.—Dr. S. C. Biswas, District Medical Officer, has been granted 8 months combined leave (*viz.*, 4 months privilege, 2 months and 2 days furlough on full pay, and 1 month and 28 days furlough on half pay), from 26th April 1938.

Mr. S. R. Ramchandra Iyer, Assistant Traffic Manager (Junior Scale), has been appointed to officiate in the Senior Scale as Assistant Traffic Manager "General", from 21st April 1938.

Mr. M. G. Iyer, Assistant Traffic Manager, (Junior Scale), has been appointed to officiate in the Senior Scale as Divisional Traffic Manager, from 22nd April 1938.

Mr. V. R. Ghule, District Commercial Inspector, has been appointed to officiate as Assistant Traffic Manager in the Lower Gazetted Service, from 20th April 1938.

Mr. M. D. Bhote, Chief Mchanical Draftsman (Loco.) Lower Gazetted Service, has been granted 1 month and 7 days leave on average pay, from 2nd May 1938.

Mr. C. H. DeSousa, Assistant Mechanical Engineer (Junior Scale), availed himself of 3 months and 9 days leave on average pay, from 24th January 1938, instead of 4 months on average pay as previously notified.

J. H. F. RAPER,

Agent.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, MAY 28, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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E. V. GREGORY,
Offg. Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 28th May 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

May 16, 1938.

25227. Les Usines De Melle. Improvements in or relating to dehydration by azeotropic distillation.

25228. G. Jessop. A new or improved means for spacing and forming button holes and other stitchings in articles of clothing.

25229. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of azo-dyestuffs on the fibre. (May 21, 1937).

25230. Howard and Bullough, Ld., and W. Wilson. Improvements in underclearer mountings in textile spinning, preparing and like machines. (May 18, 1937).

25231. Standard Telephones and Cables Ld. Improvements in or relating to circuits using gas filled electric discharge tubes. (May 21, 1937).

25232. Standard Telephones and Cables Ld. Improvements in wireless direction finding systems. (May 28, 1937).

25233. F. L. Smidth & Co. A/S. Improvements relating to the manufacture of cement. (June 14, 1937).

25234. Z. Dezsoe and John Ismay & Sons Ld. Improvements in and relating to the production of spiral filaments.

25235. The Linde Air Products Co. Process of and apparatus for conditioning metal bodies. (April 14, 1938).

25236. Casablancas High Draft Co. Ld., and F. Casablancas. Improvements in or relating to mechanisms for drawing textile rovings. (December 6, 1937).

25237. S. Bramley-Moore. Improvements in or relating to apparatus for refining and purifying used and dirty lubricating oil. (August 24, 1937).

25238. D. S. Kennedy. Improvements in and relating to overall chains or girdles for road vehicle wheels. (March 25, 1938).

25239. James A. Jobling & Co. Ld. Improvements relating to cooking utensils. (October 20, 1937).

25240. Platt Brothers & Co. Ld., H. Wilkinson and N. Pilkington. Apparatus for mechanically treating flax straw or stalks or bast fibres for production of a decorticated and cleaned mass thereof. (June 26, 1937).

25241. L. L. Salfisberg. Improvements relating to metal containers.

25242. Telefunken Gesellschaft fur drahtlose Telegraphie m.b.H. Improvements in or relating to circuits for modulating high frequency oscillations.

25243. The British India Corporation Ld. An improved composition board and method of manufacture thereof.

25244. M. A. Beig. Improvements in or relating to animal or human power operated pumps or like devices. [Addition to No. 23173].

May 17.

25245. K. Tirunarayanan. An improved hand-spinning machine.

25246. W. Barcroft. Improvements in and relating to inflatable swimming supports and swimming appliances.

25247. C. W. Young and A. R. Wilson. Method and apparatus for pulverizing minerals and other materials.

25248. The Indian Hume Pipe Co. Ld. Improvements in and relating to moulds for concrete or reinforced concrete posts, poles, piles, columns, tubes, standards or the like structural members.

25249. R. A. Becher. Improved wheel tracks for bullock-carts and component parts therefor.

May 18.

25250. National Carbon Co. Inc. Air-depolarized cell and electrodes therefor. (June 28, 1937). [Divisional Date August 2, 1937].

25251. National Carbon Co. Inc. Air-depolarized cell and electrodes therefor. (June 28, 1937). [Divisional Date August 2, 1937].

May 19.

25252. Dunlop Rubber Co. (India), Ld. Improvements in games balls and their manufacture. (May 25, 1937).

25253. E. B. Higgins. Improvements relating to the water proofing of textile fibres, fabrics and the like. (May 28, 1937).

25254. I. G. Farbenindustrie Aktiengesellschaft. Improvements in the treatment of seeds for improving germination or promoting growth. (June 4, 1937).

25255. H. Bode. Process for the production of wall and plate coatings.

May 20.

25256. H. Renck. Printing plate for amalgam printing and method for producing the same.

25257. H. Renck. Method for the production of chemical printing blocks.

25258. H. Renck. Amalgam printing process. [Addition to No. 24388].

25259. Union Carbide and Carbon Research Laboratories, Inc. Production of cast metals. (April 27, 1938).

25260. J. C. Williams, and Stewart Automatic Freezers Ld. Soft ice cream machine.

25261. F. S. Kerr & Co., and N. N. Balvalli. Improvements in and relating to the extraction of cardol from cashew nuts. [Divisional Date December 10, 1937].

25262. Lieut.-Col. B. S. Dhondy. An improved latrine. [Addition to No. 22869].

25263. A. Yamada Rohto Co. An improved dropper and bottle.

Alteration of Date.

23703. The priority date has been altered from the 20th February 1936 to the 12th January 1937.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23703. The General Electric Co. Ld. Improvements in or relating to electric discharge devices. (January 12, 1937). *Line joining electrodes has on one side of it refractory solid matter and on another a transparent portion.*

23864. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to wireless aerials. (April 29, 1936). *Half wave aerial consisting of vertical downlead with an artificial top comprising a cage of wires.*

24025. S. R. Lalkaka. An improved dust-bin. *Chamber having doors hinged at lower edge serrated arms pivoted on said doors and co-operating pins in chamber walls.*

24033. Dr. S. Szegö. Improvements in roof constructions. *Grid composed of intersecting beams and cranked alternately upwards and downwards.*

24074. K. Michaelis, Furniture. (June 5, 1936). *Frameless chair of wooden plates, seat being connected to supporting structure by wooden extension and seat and back are swingable.*

24119. Standard Oil Development Co. Multiple gravity meter. *Helical spring attached to weighted arm, means for adjusting tension of spring, and means for indicating displacement of arm from balanced position due to gravity.*

24200. M. R. Basil. Improvements in or relating to token and block system of signalling. *Release-relay retracts the operating relay.*

24329. A. T. Masterman. Improvements in and relating to air purification. (August 17, 1936). *Hypochlorous acid vapour free from mist or water particles disseminated by atomiser.*

24391. G. P. Agnihotri. Improvements in or relating to axles for carts, hackney carriages and like vehicles. *Ball races in bushes adapted to be closed by cups mounted on axle.*

24392. P. C. Mukerjee. Set of weights. *Each component weight is three times the next lower weight.*

24405. D. Datta. Spinning machine. *Spindle and flyer made to rotate by connecting these shafts through a pin of the bobbin mounted loose on the ferrule shaft.*

24448. W. P. Warren. Improvements in dust-bin. *Refuse containers secured to foundation structure which surrounds any pillar advertisement panels being carried by fixtures on said containers.*

24504. Thermit G. m. b. H. Improvements in or relating to containers and heating means therefor. *A liquid vessel in a space for the reception of heat emitting chemical substance, said space being either inside or outside of container.*

24512. Bird & Company. Improvements in roads and road surfaces. *Central strip and side strip of good wearing material connected together by leaders also of good material.*

24583. The Western States Machine Co. Improvement in method of centrifuging sugar. *Centrifuge accelerated to a speed over 1250 R. P. M. within 40 seconds.*

24584. J. T. Morgan. Improvements in and relating to change speed gear mechanism for cycles and the like. *Driving chain moved to different sized sprockets of driving wheel by jockey sprockets carried by rocker bar and remote control means to displace said bar.*

24586. Shanks & Co. Ld., and A. F. Shanks. Improvements relating to mosquito-proof flushing cisterns. *Lid with aperture for flushing lever said aperture presenting lateral semi-circular bearing surfaces, bifurcated saddle riding said surfaces and lever straddled by the saddle.*

24657. "Sachtleben" Aktiengesellschaft Fur Bergbau Und Chemische Industrie. Method of and furnace for the reduction of iron ores or the like. *Rotary furnace adapted to turn about a vertical axis such that the openings in the two ends of the furnace can be brought alternately into communication with the burners.*

24740. Dunlop Rubber Co. (India), Ld. Tyre striating and apparatus therefor. *Non-rotary cutter, means for traversing same across tyre tread and means for adapting path of cutter to transverse contour of tread.*

24816. K. B. Tarkar. An improved metal goblet. *Having a detachable neck.*

24849. Pirie, Appleton & Co., Ld. An improved method and means for preparing a continuous web for the manufacture of envelopes, bags, and similar articles. *Applying to opposite faces of the web longitudinally directed stripes of a dry sealing medium and drying before delivery to the machine.*

24896. E. S. Persson. Improvements in or relating to windows having coupled sashes. *Outer and inner sashes are rotatable together about central studs and outer sash is separable from inner by hinge connection between them.*

24924. W. S. Freeman. Improvements in stoppers for bottles, jar and similar containers. (February 10, 1937). *A resilient plug with a pressure chamber having access of gas from within through a restricted orifice to exert lateral pressure on the plug walls.*

24925. Procedes Techniques De Construction. Improved method and apparatus for the production of pavement kerbs, road surfaces, floorings and the like, or other structures such as conduits and the like. (September 22, 1937). *Moulding cementitious material in receptacle to predetermined configuration under vibration and delivering therefrom* via *a stage which dampens vibration.*

24931. S. E. Lofts. Improvements in or relating to closures for cans, jars or like containers. *An endless sealing ring with a tab having a longitudinal reinforcement embracing the rib and the peripheral margin of the lid or bung.*

24962. G. J. Fowler. Improvements in or relating to the drying of sludge on the surface of a filter mat. (March 18, 1937). *Sludge carried on endless filter mat and one or more heating element above it.*

24972. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to electrical filter arrangements. (February 20, 1937). *Combination of a band pass filter and a valve subjected to frequency selective negative feed back.*

24973. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to tuning and other indicator and scale arrangements suitable for use for radio receivers, wave meters, and the like. (February 20, 1937). *Indicator device provided with a cursor line and means for moving cursor line and scale relative to each other.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23570. Kadenacy and Armstrong. Whitworth Securities Company Limited.
23580. Jarry.
23850. Allmanna Svenska Elektriska Aktiebolaget.
23873. Singha.
23882. Standard Telephones and Cables, Limited.
23884. Standard Telephones and Cables, Limited.
23938. Schmidt.
23958. The Metal Box Co. Ld.
24042. The General Electric Co. Ld.
24309. Ruhrchemie Aktiengesellschaft.
24362. I. G. Fabenindustrie Aktiengesellschaft.
24380. Metallic Manganese Company, Limited.
24455. Das and Das.
24465. Metropolitan-Vickers Electrical Co. Ld.
24501. Meehanite Metal Corporation.
24503. Seri Holding S. A.
24513. Martins.
24551. Dr. Schilling.
24571. Weiss and (Mrs.) Reich.
24666. International General Electric Co. of New York, Ld.
24667. Coats and Hafner.
24680. Universal Oil Products Co.
24706. Carp's Handelsbureau Voor Aviatiek and Scheepszaken N. V.
24713. Mhaswadkar.
24717. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny and Cirey.
24718. Rajagopalan.
24735. De Waal.
24767. Marconi's Wireless Telegraph Co., Ld.
24768. Marconi's Wireless Telegraph Co., Ld.
24797. Raz.
24805. Whitelegg, and Whitelegg and Roggers Ld.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23494. Callenders' Cable and Construction Co. Ld.
23503. Penny and Worthington.
23538. Libbey-Owens-Ford Glass Co.
23566. Ercole Marelli and C., Societa, Anonima.
23576. C. C. Wakefield and Company Limited.
23591. Siemens-Schuckertwerke Aktiengesellschaft.
24080. De.
24146. Heyman.
24311. Hume Steel Ld.
24415. Gresham & Craven, Ld.

Patents Sealed.

23457. Siganporia.
23544. Standard Telephones & Cables, Ld.
23705. Societe de Prospection Electrique Procedes Schlumberger.
23821. Lund.
23918. Mohd. Jan.
24054. Wood.
24123. Pinazza.
24124. Hugo Schneider Aktiengesellschaft.
24125. Hugo Schneider Aktiengesellschaft.
24131. Hugo Schneider Aktiengesellschaft.
24199. Amichand.
24371. Evans, Wright and Brammer.
24407. Bleeck.
24409. Clutsom.

24429. Hugo Schneider Aktiengesellschaft.
24452. Cox.
24467. Colombo Commercial Co. Ld., and Young.
24515. I. G. Farbenindustrie Aktiengesellschaft.
24585. Astbury and Chibnall.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

Nos. 20057 and 20375. Hoare and Co. (Engineers) Ld.
No. 24206. Samuel Fox & Co., Ld.
Nos. 9003 and 20986. The Tata Iron and Steel Co., Ld.

Renewal Fees Paid

PATENTS.

9396. Chemische Fabrik Greisheim-Elektron (altered to I. G. Farbenindustrie Aktien gesellschaft) (To 11th June 1939).
10489. Stuart. (To 21st July 1939).
12232. Moir and anr. (To 15th September 1939).
12444. Cole. (To 31st July 1939).
13017. Grob. (To 27th May 1939).
13301. Veritys Ld., and ors. (To 7th June 1939).
13334. The American Rolling Mill Co. (To 13th June 1939).
14369. The Superheater Co. Ld. (To 6th July 1939).
14512. Standard Oil Co. of California. (To 25th June 1939).
15066. Hall and anr. (To 26th July 1939).
15713. Wadaye. (To 6th May 1939).
15744. Romac Motor Accessories Ld. (To 5th June 1939).
15824. The General Electric Co. Ld. (To 16th July 1939).
15963. Marconi's Wireless Telegraph Co. Ld. (To 2nd July 1939).
16008. Marconi's Wireless Telegraph Co. Ld. (To 17th July 1939).
16044. Associated Telephone and Telegraph Co. (To 22nd July 1939).
16149. Saunders. (To 20th August 1939).
17031. Becker & Co. (1924) Ld. (To 2nd June 1939).
17050. George Spencer, Moulton & Co., Ld., and anr. (To 2nd June 1939).
17095. Sakamoto. (To 16th June 1939.)
17516. The General Electric Co. Ld. (To 24th July 1939).
17942. Stewart. (To 12th June 1939).
18115. Camps. (To 15th June 1939).
18295. The General Electric Co. Ld. (To 7th July 1939).
18296. Eisenwerk (Vorm. Nagel & Kaemp) A. G. (To 24th August 1939).
18380. Whitelegg. (To 12th June 1939).
18861. Lucas. (To 6th April 1939).
18971. Colas-Flintkote Ld. (To 18th June 1939).
19572. Svenska Aktiebolaget Gasaccumulator. (To 3rd June 1939).
19797. Rodwell. (To 18th May 1939).
19848 Kuttalingham Pillai. (To 24th April 1939).
19849. Kuttalingham Pillai. (To 24th April 1939).
19873. George, Spencer, Moulton & Co., Ld., and anr. (To 2nd June 1939).
19902. Raghavaiengar. (To 15th May 1939).
19914. Rodwell. (To 18th May 1939).
19916. Ross. (To 17th May 1939).
19982. Guest, Keen & Nettlefolds Ld. (To 5th June 1939).
19997. The General Electric Co. Ld. (To 22nd July 1939).
20018. The General Electric Co. Ld., and anr. (To 8th July 1939).
20027. The General Electric Co. Ld. (To 1st July 1939).
20073. E. I. De Pont De Nemours & Co. (To 10th July 1939).
20216. The General Electric Co. Ld. (To 4th August 1939).
20700. The Grasselli Chemical Co. (To 19th March 1939).
20845. Gee. (To 7th May 1939).
20944. James Mackie & Sons Ld. (To 10th August 1939).
20972. The General Electric Co. Ld. (To 28th July 1939).
20977. Kabushiki-Kaisha Sumitomo Seikosho (altered to Sumitomo Kinz-Kukogyo Kabushi-Kaisha). (To 28th June 1939).
21016. Gabor. (To 16th July 1939).
21030. Marconi's Wireless Telegraph Co. Ld. (To 22nd July 1939).
21040. The Superheater Co. Ld. (To 23rd July 1939).
21083. The General Electric Co. Ld. (To 28th August 1939).
21084. The General Electric Co. Ld. (To 10th July 1939).
21102. Camps. (To 20th August 1939).
21144. The General Electric Co. Ld. (To 30th July 1939).
21232. Schering-Kahlbaum Aktiengesellschaft (To 26th October 1939).
21270. Matthews. (To 24th May 1939).
21962. The General Electric Co. Ld. (To 18th July 1939).
21970. Eklund. (To 26th June 1939).
21981. H. B. Molins and anr. (Executors of the late W. E. Molins). (To 20th July 1939).
22039. The General Electric Co. Ld. (To 31st August 1939).
22040. The General Electric Co. Ld. (To 28th August 1939).
22159. Walmsley. (To 3rd October 1939).

Cessation of Patents.

9002. Hild.
9628. Hild.
10288. G. D. Peters & Co. Ld., and anr.
14055. The Pure Oil Co.
15808. Aladdin Industries Ld.
17777. Joshi.
20614. Schaub.
20620. Kraty.
21656. Fawcett Preston & Co. Ld., and ors.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets:—

Class 1. No. 63266. Hugo Schneider Aktiengesellschaft, of Hugo Schneider Strasse 87, Leipzig O. 5, Germany, April 20, 1938.

Class 1. No. 63273. Maya Engineering Works, of 36-A, Russa Road, Kalighat P. O., Calcutta. April 21, 1938.

Class 4. No. 63176. Shimada Glass Factory, Ld., of Ebi-Echo, Osaka, Japan. March 14, 1938.

Class 5. No. 63027. Katta Madhavaihagari Benkayya Venkataratna Gupta, Proprietor, Srinivasa Soap Factory, residing at 64, Albert Victor Road, Chamrajpet, Bangalore City. February 1, 1938.

Class 9. No. 63092. Konda Srinivas, of Mynateppakulam Lane No. 1, East Gate, Madura, (South India). February 18, 1938.

Class 13. Nos. 63254 and 63255. The New Shorrock Spinning and Manufacturing Co. Ld., of Nadiad (Dist.-Kaira), Bombay, Presidency, British India. April 19, 1938.

Class 13. Nos. 63299 and 63300. The New Shorrock Spinning and Manufacturing Co. Ld., of Nadiad (District-Kaira), Bombay Presidency, British India. May 2, 1938.

Class 13. No. 63304. Ralli Brothers Ld., of 25, Finsbury Circus, London, and also at Bombay, Calcutta and Karachi, British India. May 3, 1938.

Class 13. Nos. 63306 and 63307. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. May 6, 1938.

Class 13. Nos. 63308 to 63311. F. Steiner & Co. Ld., of Church, Lancashire, England. May 7, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry:—

Class 1. Nos. 56874 and 56875. Maya Engineering Works, of Rai Ambica Charan Rai Bahadur Road, Behala, 24 Perganas, British India. June 29, 1933.

Class 13. No. 57012. F. Steiner & Co., Ld., of Church, Lancashire, England. July 31, 1933.

Class 13. No. 57160. F. Steiner & Co., Ld., of Church, Lancashire, England. August 28, 1933.

NOTICES

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public:—

A.—Where all publications including printed specifications are available:—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library.
MADRAS	Record Office, Egmore.
Do	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa.
POONA	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs

CURRENCY NOTES.

NOTICES.

Rangoon, the 16th May 1938.

Portions of the following notes of the Rangoon Office of Issue are stated to have been destroyed and applications for payment of their value have been received from the persons whose names are shown against the numbers. Any other persons who consider themselves as having a right to them are warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
T/32-460022	100	K. N. M. N. Sockalingam Chettiar, Banker, No. 57, Mogul Street, Rangoon.
T/32-460023	100	
T/25-679059	100	Purander Mahathu, Cattle Breeder, Kalabusthy, C/o, Postmaster, *Taikkvi*, Insein District.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, RANGOON.

S. NATARAJAN,
Currency Officer.

Lahore, the 20th May 1938.

Portions of the following note of the Lahore Office of Issue are stated to have been destroyed, and payment of its value has been claimed by the person whose name is shown against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
W.D. 6 of 1938	S-61/540447	100	Mr. Ram Prasad, Mohalla Shivpuri, Lucknow.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, LAHORE.

MUL CHAND,
Currency Officer.

Calcutta, the 21st May 1938.

Portions of the following note of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person/party who consider himself as having a right to it is warned to communicate at once with the undersigned.

Case No.	Number of Note.	Value.	Name and address of the applicant.
		Rs.	
W.D./12 of 1938.	T/33-587296	100	Janak Singh, 22/1/B, Chakrabere Road South, Bhawanipur, Calcutta.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

S. GUPTA,
Currency Officer.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

New Delhi, the 23rd May 1938.

The following is a statement of the cash balances of the Central and the Provincial Governments on the last day of April 1938 :—

	Rs.
(1) At the Reserve Bank of India in India	15,81,60,000
(2) At treasuries in India . .	1,18,13,000
(3) In England (Sterling converted at 18*d.* the Rupee) . .	92,10,000
TOTAL .	17,91,83,000

M. SUBRAHMANYAN,
Accountant General, Central Revenues.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for February 1938.

(In lakhs of Rupees.)

	For February.		To end of February.		Whole year.	
	1936-37.	1937-38.	1936-37.	1937-38.	Accounts, 1936-37.	Revised, 1937-38.
Revenue.						
Customs	4,21	2,74	44,44	39,66	46,85	43,9[illegible]
Central Excise Duties		62		7,14		7,7[illegible]
Corporation Tax	1,65	20	11,68	67	13,87	1,5[illegible]
Taxes on Income other than Corporation Tax		1,32		11,87		12,1[illegible]
Salt	57	68	7,55	7,47	8,38	8,3[illegible]
Opium	2	3	47	50	48	4[illegible]
Railways—						
Gross receipts	8,54	8,33	87,07	90,52	97,32	99,8[illegible]
Deduct—Working Expenses	*5,01*	*5,33*	*56,89*	*58,66*	*63,40*	*64,8[illegible]*
Surplus Profits	*6*	..	*42*	*48*	*42*	[illegible]
Payments to Worked Lines	*25*	*22*	*2,67*	*2,65*	*3,02*	*3,0[illegible]*
Net receipts	3,22	2,78	27,15	28,73	30,48	31,4[illegible]
Subsidised Companies	1	..	13	7	16	[illegible]
Miscellaneous Railway Receipts	1	..	9	9	86	2,[illegible]
Posts and Telegraphs—Net receipts	−3	−3	18	53	88	1,1[illegible]
Other heads	54	38	3,58	5,08	5,43	9,[illegible]
Total	10,20	8,72	95,27	1,01,81	1,07,39	1,17,[illegible]
Expenditure.						
Railway Revenue Account—						
Interest and other charges	25	23	12,52	12,45	31,50	29,9[illegible]
Interest on Debt—Gross	1,28	1,29	33,28	32,80	35,90	35,3[illegible]
Deduct—Amount chargeable to—						
Railways	*16*	*16*	*10,84*	*10,74*	*29,62*	*28,0[illegible]*
Irrigation	..	..	..	..	*8*	[illegible]
Posts and Telegraphs	..	..	..	..	*79*	[illegible]
Commutation of Pensions	..	..	..	..	*23*	[illegible]
Salt and other Commercial Departments	..	..	..	..	*8*	[illegible]
Provincial Loans Fund	..	..	..	..	*7,97*	..
Provincial Governments	..	*92*	..	*1,97*	..	4,[illegible]
Net charges	1,12	21	22,44	20,09	−2,87	1,2[illegible]
Defence Services (Net)	4,26	4,04	39,52	43,62	44,62	47,[illegible]
Other heads	1,87	1,94	22,18	25,51	40,28	38,[illegible]
Total	7,50	6,42	96,66	1,01,67	1,13,53	1[illegible]
Expenditure not charged to Revenue	−16	66	3,62	5,86	2,86	2,[illegible]
Debt Heads—						
Permanent Debt (Net) India	−2	+1,11	+11,69	+94	+11,70	+[illegible]
Ditto England	−1	+1	−25,21	−6,84	−25,24	−6,[illegible]
Treasury Bills (Net) India	−4,79	−1,33	+2,44	+12,22	−3,59	+6,[illegible]
Ditto England	..	..	..	..	..	..
Ways and Means Advances (Net) India	..	..	..	..	..	..
Ditto England	..	..	..	..	..	..
Provincial Transactions (Net)	+4,15	..	−3,92	..	−2,24	..
Other Debt Head Transactions (Net)	−10	−48	+17,25	−75	+30,11	+3,6[illegible]
Total	−77	−69	+2,25	+5,57	+10,74	+3,[illegible]
Total Transactions	+2,09	+95	−2,76	−15	+1,74	+[illegible]
Revenue less expenditure in Burma not included in the figures in columns 1936-37.	+66	..	+5,68	..	+4,35	..
Opening Balance	15,44	7,53	15,27	8,63	15,27	(a) 8,[illegible]
Closing Balance	18,19	8,48	18,19	8,48	21,36	9,[illegible]

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England [illegible] India respectively cancel each other.

(a) Excludes 12,72 lakhs on account of transfer of balances to Provinces, Burma and Aden.

NEW DELHI;
Dated the 18th May 1938.

M. SUBRAHMANYAN,
Accountant General, Central Reven[illegible]

OFFICE OF THE ACCOUNTANT GENERAL, POSTS AND TELEGRAPHS.

New Delhi, the 20th May 1938.

Statement showing the amounts realised and paid in each of the Postal Circles on account of Post Office 5-Year Cash Certificates during March 1938 and the amounts outstanding at the end of the month.

[In thousands of rupees.]

Name of Postal Circle.	Cash Realised from sales.	Amount repaid. Principal.	Amount of Principal outstanding.
	Rs.	Rs.	Rs.
Bengal & Assam .	22,50	28,97	11,15,97
Bihar & Orissa .	5,04	4,69	2,29,92
Bombay . .	30,58	39,94	16,22,58
Central . . .	7,03	8,79	4,19,57
Sind & Beluchistan	4,39	5,93	2,62,92
Punjab & N. W. F.	21,32	21,96	11,20,14
United Provinces .	14,63	15,27	8,38,08
Madras . . .	4,78	8,49	3,02,73
Burma . . .	...	2,55	1,15,22
Total March 1938 .	1,10,27	1,36,59	60,27,13
Total March 1937 .	1,01,77	1,34 64	64,67,29
Total March 1936 .	1,56,67	1,72,89	66,02,83

K. R. S. RAU,

Accountant General, Posts and Telegraphs

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATIONS.

Bombay, the 17th May 1938.

No. 17.—Mr. S. K. Banerjee is appointed to act as a Junior Superintendent, Reserve Bank of India, Calcutta, with effect from the 11th May 1938 *vice* Mr. G. Balasubramanian transferred to the Reserve Bank of India, Issue Department, Calcutta.

Bombay, the 21st/23rd May 1938.

No. 18.—On return from leave Mr. S. N. Bose is reposted as a Junior Superintendent, Reserve Bank of India, Issue Department, Calcutta, with effect from the 11th May 1938, *vice* Mr. L. Penheiro reverted as a clerk.

MANILAL B. NANAVATI,

Deputy Governor.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 19th May 1938.

No. 1635.—Retention of the services of Rai Sahib Raj Bahadur Mathur, officiating Superintendent, being necessary in the interests of the public service, he is granted an extension of service for a period not exceeding 3 months with effect from the 18th June 1938 subject to the usual condition of his remaining physically and mentally fit to carry out his duties.

C. G. LEWIS, Brigadier,

Surveyor General of India.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona 5, the 17th May 1938.

No. G.-13019/P.-64.—Mr. V. Doraiswamy Iyer, B.A. (Madras), Assistant Meteorologist, Poona, has been granted leave on average pay for one month with effect from 12th May 1938 with permission to affix Sunday, the 12th June 1938.

No. G.-13020/P.-64.—Mr. C. P. Menezes, B.A., B.Sc. (Bombay), Assistant, Meteorological Office, Poona, has been appointed to officiate as Assistant Meteorologist *vice* Mr. V. Doraiswamy Iyer granted leave.

C. W. B. NORMAND,

Director-General of Observatories.

INTELLIGENCE BUREAU (HOME DEPARTMENT), GOVERNMENT OF INDIA.

NOTIFICATION.

Simla, the 20th May 1938.

No. 60/II/38-Ests.—Khan Sahib Abdul Qadir Khan, Deputy Superintendent of Police, N.-W. F. P., is appointed Deputy Central Intelligence Officer in the office of the Senior Assistant Director, Intelligence, Government of India, Quetta, with effect from the 14th May 1938.

C. R. B. MURRAY,

for Director,

Intelligence Bureau (Home Department),

Government of India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 28th May 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

IMPERIAL VETERINARY RESEARCH INSTITUTE, MUKTESWAR.

NOTIFICATION.

Mukteswar-Kumaun, U. P., the 18th May 1938.

No. G./897.—Sheikh Nasir Ahmed, L.Ag., Estate Manager, Izatnagar, is appointed to hold charge of the current duties of the post of Officer-in-charge, Poultry Research Section, Imperial Veterinary Research Institute, Izatnagar, in addition to his own duties, with effect from the 1st April 1938, until the arrival of the permanent incumbent of the post from England, and is granted a special pay of Rs. 50 per mensem.

F. WARE,
Director.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI.

NOTIFICATIONS.

New Delhi, the 23rd May 1938.

No. 3894.—Dr. M. Mitra, Assistant Mycologist, is granted leave on average pay for one month, from 29th April 1938.

New Delhi, the 25th May 1938.

No. 3945.—Mr. J. N. Mukerji, Assistant Agricultural Chemist, is granted leave on average pay for one month and nineteen days from 23rd May 1938, or any subsequent date from which he may avail himself of it.

B. VISWA NATH,
Director.

COLLECTOR OF SALT REVENUE, MADRAS.

NOTIFICATION.

Custom House, Madras, the 22nd April 1938.

R. Dis. No. 2921-Salt-38.—In exercise of the powers conferred by clause 6 of the Matches (Excise Duty) Order, 1934, as amended by the Government of India, Finance Department, Notification No. 23, dated the 26th March 1938, the Collector of Salt Revenue, Madras, is hereby pleased to prescribe that the processes of making boxes from veneers and papers supplied by the licensee and of setting up splints supplied by the licensee in frames also supplied by him, may be carried on outside the licensed premises subject to the observance of the following conditions, namely:—

(1) Splints and veneers, whether manufactured in a match factory under a licence in Form 'A' or 'C' or obtained from the holder of a licence in Form 'C', 'D' or 'E' or from an 'A' licensee who has been permitted to supply them to other 'A' licensees, shall be stored in a room or rooms or compartment or compartments set apart for the purpose in the manufactory

and approved by the Assistant Commissioner of Salt Revenue in whose jurisdiction the factory is situated.

(2) Every such room or compartment shall be locked by the supervising officer of the factory and the licensee may also secure it with a lock of his own. It shall be open to inspection by any Inspecting Officer.

(3) No splints or veneers shall be stored or issued except in the presence of the Supervising Officer appointed under the Matches (Excise Duty) Supplementary Order, 1938 (hereinafter referred to as the Supervising Officer). The Supervising Officer shall weigh the splints and count the veneers, which should be in packages containing one gross each, before receipt into the room or issue therefrom. Independent accounts of the splints and veneers stored and issued shall be maintained by the Supervising Officer and the licensee in a register which shall be in Form ME-9 annexed hereto. Both accounts shall be written up daily. At the end of each month, the totals for the month and the progressive totals up to the end of the month shall be entered in the register immediately below the entries relating to the last day of the month.

(4) Where splints and veneers are obtained from the holder of a licence in Form 'C', 'D' or 'E', or an 'A' licensee permitted to supply them to other 'A' licensees, indents shall be prepared in duplicate and shall be countersigned by the Supervising Officer. The supplier shall return one copy to the Supervising Officer with the endorsement "complied with", or stating the quantities actually supplied if the indent has not been complied with in full. The Supervising Officer shall check the quantities received and if they are correct shall file the copy of the indent. If there is a discrepancy between the quantities reported by the licensee complying with the indent and the actual quantities received, and the discrepancy is not satisfactorily accounted for, he shall report the matter to the Inspector of the circle in which the match factory is situated, who shall investigate the matter.

(5) Veneers for the outer and inner portions of boxes which are sent outside the licensed premises for the purpose of being made into boxes shall be counted before issue.

(6) The number of boxes returned to the licensed premises should equal the number of veneers issued therefrom and any deficiency in the number of boxes must be accounted for by the production of the damaged or unserviceable veneers at the licensed premises.

(7) Before splints are sent outside the licensed premises for being set up in frames, they shall be weighed and the number of splints to a pound shall be counted.

(8) All frames in which splints so issued are to be set up shall be of a standard size, so that each frame when set up can contain either a fixed number of splints or such number of splints as will completely fill a certain fixed number of boxes or booklets of the descriptions specified in section 4 of the Act.

(9) All damaged or unserviceable splints shall be returned to the licensed premises.

(10) All unserviceable veneers including those produced under condition (6) and all unserviceable splints including those returned under condition (9) shall be collected and destroyed in the presence of the Supervising Officer who shall enter the weight of the splints and the number of veneers so destroyed in the appropriate columns of the register in Form ME. 9.

(11) If at any time the Assistant Commissioner considers that there is excessive wastage in veneers or splints, he may prohibit the issue, outside the licensed premises, of veneers to be made into boxes or of splints to be set up in frames, as the case may be.

H. GREENFIELD,

Collector.

ANNEXURE.

ME. 9. Daily Register of Splints and Veneers stored and issued at the

Date.	Opening balance.		Manufactured or imported or obtained from other licensees.		Source of supply.	Total.		Issues.						Balance.		Rendered unserviceable (destroyed or to be destroyed).		Remarks.
								For framing and making into boxes within the factory.		For framing and making into boxes outside the factory.		For use by other A licensees.						
	Splints.	Veneers.	Splints.	Veneers.		Splints.	Veneers.	Splints.	Veneers.	Splints.	Veneers.	Splints.	Veneers.	Splints.	Veneers.	Splints.	Veneers.	
	Cwts. lbs.	Gr. D.	Cwts. lbs.	Gr. D.		Cwts. lbs.	Gr. D.	Cwts. lbs.	Gr. D.	Cwts. lbs.	Gr. D.	Cwts. lbs.	Gr. D.	Cwts. lbs.	Gr. D.	Cwts. lbs.	Gr. D.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

GOVERNMENT OF INDIA.

DEPARTMENT OF LABOUR.

NOTIFICATION.

CENTRAL ELECTRICITY BOARD.

Simla, the 23rd May 1938.

No. A.-803.—The following draft of certain amendments to the Indian Electricity Rules, 1937, which the Central Electricity Board proposes to make in exercise of the powers conferred by section 37 of the Indian Electricity Act, 1910 (IX of 1910), is published as required by sub-section (*1*) of section 38 of the said Act, for the information of all persons likely to be affected thereby, and notice is hereby given that the draft will be taken into consideration on or after the 1st September 1938.

Any objection or suggestion which may be received from any person in respect of the said draft before the date specified will be considered by the Central Electricity Board. Such objections or suggestions should be addressed to the Secretary, Central Electricity Board, Labour Department, Kennedy House, Simla.

Draft amendments.

In rule 60 of the said Rules—

(i) For the words "Where a licensee proposes to supply or use energy at medium or high pressure, he shall give notice to an Inspector and shall not commence or continue the supply unless and until he has complied with the following provisions, namely" the following shall be substituted, namely:—

"(1) The following provisions shall be observed where energy at medium or high pressure is supplied or used, namely:—"

(ii) The following sub-rules shall be added as sub-rules (2), (3) and (4), namely:—

"(2) Where a licensee proposes to supply or use energy at medium or high pressure or to recommence supply after it has been discontinued, he shall give notice to an Inspector and shall not commence or recommence the supply unless and until he is satisfied that the provisions of sub-rule (1) are observed.

(3) While energy is being supplied or used at medium or high pressure the owner of any apparatus involved shall be responsible for the continuous observance of the provisions of sub-rule (1) in respect of that apparatus.

(4) If, at any time after commencing supply, the licensee becomes aware that any of the provisions in clauses (*a*) to (*e*) of sub-rule (1) is not being observed, he shall at once discontinue the supply and give notice to an Inspector of such discontinuance."

C. M. KER,
Secretary,
Central Electricity Board.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

Simla, the 17th May 1938.

No. EB-11.—The undermentioned probationary Assistant Aerodrome Officers in the Civil Aviation Directorate are confirmed in their appointments with effect from the dates specified:—

Mr. Edmund Sequeira	1st January 1938.
Rana D. S. Jung	5th January 1938.
Mr. Atam Dev Mehta	1st January 1938.
" G. D. Nanda	1st January 1938.
" Lakshmikanto Dey	29th January 1938.
" P. S. Warrier	5th February 1938.
" J. C. Puri	17th March 1938.

F. TYMMS,
Director of Civil Aviation in India.

ROYAL INDIAN NAVY.

NOTIFICATION.

LEAVE.

Bombay, the 21st May 1938.

No. 50.—Engineer-Lieutenant A. A. Denham, R.I.N., is granted 18 months' absence from India, with effect from 13th May 1938. The first 2 months will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

HERBERT FITZHERBERT,
Rear-Admiral,
Flag Officer Commanding,
Royal Indian Navy.

SOFT COKE CESS COMMITTEE.

NOTIFICATIONS.

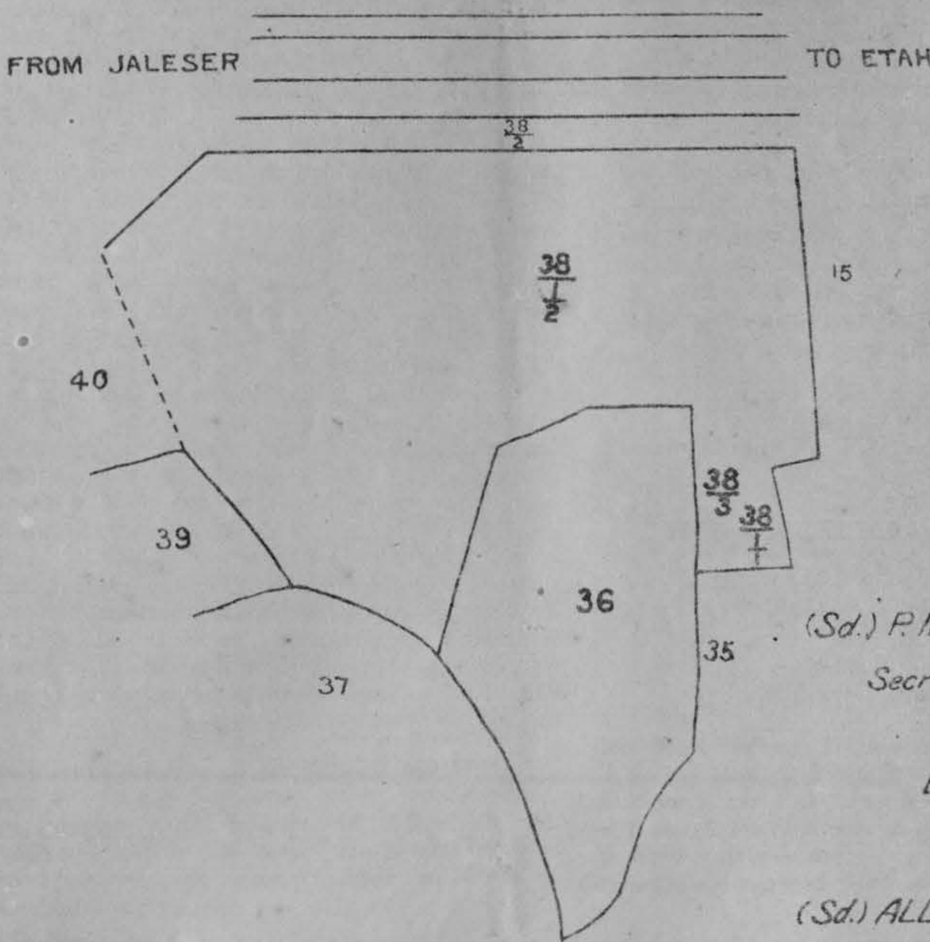
Calcutta, the 20th May 1938.

(1) The Indian Mining Federation have nominated Mr. P. Basu of Messrs. The North Adjai Coal Co., Ltd., 100, Clive Street, Calcutta, to be a Member of the Soft Coke Cess Committee, *vice* Mr. K. Basu, resigned.

(2) The Indian Mining Association have nominated Mr. R. H. Worthington of Messrs. Andrew Yule & Co., Ltd., Calcutta, to be a Member of the Soft Coke Cess Committee, *vice* Mr. R. B. Whitehead, resigned.

J. R. HARRISON,
President,
Soft Coke Cess Committee.

R EDUCATIONAL PURPOSES FOR THE VOCATIONAL MIDDLE BOYS' SCHOOL
OWNED BY THE A.P. MISSION, ETAH.



(Sd.) P.M. KHAREGAT,
Secretary to Government
United Provinces,
Education Department.
21-6-38

(Sd.) ALLEN E. PARKER,
Attorney,
Principal, Woodstock
School, Mussoorie, U.

NOTE

Nº OF PLOT	KIND OF LAND	AREA	ACRES
36	CULTIVATED	10 BIGHAS 14 BIS.	1·94
38/1/1	BUNJER	3 " 0·4 "	0·4
38/1/2	Dº	22 " 19 "	4·34
38/3	Dº	2 " 2 "	0·42
		TOTAL	6·74

(Sd.) J.A. FORDHAM,
Collector,
Etah.
5-2-36

(Sd.) LAL BAHADUR.
31-1-36

(Sd.) HARI DAS.
3-2-36

(Sd.) A.G. SLATER.

GOVT. CENTRAL PRESS, ALLAHABAD.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 21st May 1938.

No. 37-An.—Mr. K. S. Kothandarama Aiyar, officiating Deputy Assistant Military Accountant General (Pay) reverted to his substantive grade, with effect from the afternoon of the 14th May 1938.

Simla, the 25th May 1938.

No. 38-An.—Mr. Jhanda Singh, an accountant in the office of the Controller of Military Accounts and Pensions has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the forenoon of the 17th May 1938.

J. PARLBY,

Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

Simla, the 18th May 1938.

No. S.-77/12.—Captain A. R. Augier, Deputy Postmaster-General, Bengal and Assam Circle, is granted leave on average pay out of India for 4 months and 27 days combined with leave on half average pay for 3 months and 4 days, with effect from the 1st June 1938, or the date of his relief.

G. V. BEWOOR,

Director General of Posts and Telegraphs.

GOVERNMENT OF THE UNITED PROVINCES.

Education Department.

NOTIFICATION.

MISCELLANEOUS.

Allahabad, the 28th April, 1938.

No. F.-306/XV.—815-1936.—The agreement printed below which has been entered into by the North India Mission of the American Presbyterian Church in the United States of America having its registered office at Muthiganj, Allahabad, in accordance with the provisions of Part VII of the Land Acquisition Act, 1894 (I of 1894), as amended by the Land Acquisition Amendment Act, 1923 (XXXVIII of 1923) is hereby published for general information under section 42 of the said Act:

AGREEMENT.

An agreement made this 21st day of April, 1938, between the Governor of the United Provinces (hereinafter called the Governor) of the one part and The North India Mission of the American Presbyterian Church in the United States of America having its registered office at Muthiganj, Allahabad, a company registered under the Indian Companies Act VI of 1882 (hereinafter called the Mission) of the other part.

Whereas the Mission has made an application to the Government of the United Provinces (hereinafter called the Provincial Government) to acquire for the purpose of the Mission under the provisions of the Land Acquisition Act, the land described in the schedule hereto annexed and more particularly delineated on the plan hereto annexed and thereon shown with the Khewat numbers of the plots written in red, measuring 674 acres in the village of Ghilua, pargana Etah-Sakit, tahsil Etah district Etah. And whereas the Provincial Government is satisfied that the Mission is a company within the meaning of section 3 (*e*) of the said Land Acquisition Act. And whereas the Provincial Government after making and holding such enquiry as is required and prescribed by law is satisfied that the acquisition of the land is needed for the work of training students in agriculture and that such work is likely to prove useful to the public. And whereas under section 41 of the said Land Acquisition Act, the Mission is required to enter into an agreement with the Governor regarding the matters specified in the aforesaid section. Now these presents witness and the parties hereto hereby agree as follows:

1. That the Mission will pay to the Provincial Government or such person or persons whom the Provincial Government may appoint in this behalf, all such sum or sums of money as shall be awarded under the provisions of the Land Acquisition Act as compensation to any person or persons who may be found on enquiry held under the provisions of the said Act to be interested in the said land.

2. That the Mission will defray and pay to the Provincial Government from its funds the charges of and incidental to and the cost of the acquisition of the land under the provisions of the said Land Acquisition Act.

3. That upon the Mission having made the payments mentioned in the foregoing paragraphs nos. 1 and 2 of this agreement, the Provincial Government will forthwith in consideration of such payment of compensation money and such cost of acquisition as aforesaid, convey and grant to the said Mission the said land free from all encumbrances and occupancy rights and together with all rights, easements and appurtenances thereto belonging or enjoyed therewith to hold the said land unto the Mission and its successors for ever subject to the conditions herein set forth.

4. That the Mission will use the said land for educational purposes for the Vocational Middle Boys' School, Etah, owned by the North India Mission of the American Presbyterian Church in the United States of America and for no other purpose except with the previous permission of the Provincial Government in writing.

5. That the Mission will within one year from the date of being put in proprietary possession of the said land, clear the site and make it fit for the purpose for which it is being acquired.

6. That the Mission will at its own expense maintain and keep the land in a good and sanitary condition.

7. That if the Mission commits a breach of any of the covenants herein before appearing, it shall be lawful for the Governor to enter upon the said land or any portion thereof and take the same and other work constructed thereon for his use, and that neither the Mission nor any of its members nor any persons claiming through or under it or them or any of them shall be entitled to any compensation by reason of such action by the Governor.

In witness whereof the parties hereto have hereunto set their hands the day and the year first above written.

On behalf of the North India Mission of the American Presbyterian Church in the United States of America.

ALLEN E. PARKER

Member holding Power of Attorney and Principal, Woodstock School, Mussoorie, United Provinces.

Witnesses—

(1) V. S. PAMAR,

(2) SARDAR SINGH BHATIA.

On behalf of the Governor of the United Provinces.

P. M. KHAREGAT,

Secretary to Government, United Provinces.

Witnesses—

(1) BHASKARA NAND KUKRETY, *Assistant, Civil Secretariat, United Provinces.*

(2) B. SAH, *Civil Secretariat, United Provinces.*

The Schedule here referred to:

Numbers in khewat 36, 38/1/1, 38/1/2, and 38/3 whole plots in village survey of Ghilua pargana Etah-Sakit, tahsil Etah, district Etah.

P. M. KHAREGAT,

Secretary to Government, United Provinces.

ALLEN E. PARKER,

Member holding Power of Attorney and Principal, Woodstock School, Mussoorie, United Provinces.

P. M. KHAREGAT,

Secretary.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 18th May 1938.

No. O. P. E. 418-P. 5.—Mr. L. P. Misra, Divisional Superintendent has been granted one month and five days leave on average pay, with effect from the 24th May 1938 or subsequent date of relief.

No. A. E. 780/1.—Mr. W. H. M. Burbidge, Assistant Controller of Stores, Junior Scale has been appointed to officiate as District Controller of Stores, Senior Scale, with effect from the 14th April 1938 forenoon.

No. A. E. 780/2.—Mr. J. A. Meneze, Assistant Signal Engineer, Junior Scale has been appointed to officiate as District Signal Engineer, Senior Scale, with effect from the 18th March 1938 forenoon.

No. A. E. 780/3.—Mr. R. H. Tangri, Assistant Executive Engineer, Junior Scale has been appointed to officiate as Executive Engineer, Senior Scale, with effect from the 1st April 1938 forenoon.

Calcutta, the 20th May 1938.

No. HE. 17.—Doctor S. M. Majumdar, Divisional Medical Officer, has been granted leave on average pay in India, for one month, with effect from the 9th June 1938 or subsequent date of relief.

Calcutta, the 23rd May 1938.

No. AE. 709-Vol. II.—Mr. H. W. Puttick, District Electrical Engineer, Senior Scale has been granted privilege leave for 83 days combined with special leave on half pay for two months and four days to Europe, with effect from 2nd June 1938 or subsequent date of relief.

No. AE. 780/1.—Mr. S. F. Ahmed, Executive Engineer, Senior Scale, has been appointed to officiate as Deputy Chief Engineer, with effect from the forenoon of 7th May 1938.

No. AE. 780/2.—Mr. R. Mair, Deputy Chief Engineer (Provisional) has been appointed to officiate as Divisional Superintendent, with effect from the forenoon of 12th May 1938.

J. A. BELL,

Agent.

NORTH WESTERN RAILWAY.

NOTIFICATIONS

Lahore, the 17th May 1938.

No. 55.—The unexpired portion of leave on average pay, viz., from 12th May 1938 to 11th August 1938, granted to K. B. Nizam-ud-Din, Executive Engineer under this Office Notification No. 33, dated the 22nd March 1938, is hereby cancelled.

No. 56.—The unexpired portion of leave on average pay, viz., from 9th May 1938 to 13th August 1938, granted to Mr. T. N. Kunzru, Executive Engineer, under this office Notification No. 45, dated the 9th April 1938, is hereby cancelled.

Lahore, the 18th May 1938.

No. 57.—The unexpired portion of leave for 24 days, viz., leave on average pay from 9th May 1938 to 18th May 1938 and on half average pay from 19th May 1938 to 1st June 1938 granted to Mr. A. C. Brabson, District Controller of Stores under this Office Notification No. 51, dated the 26th April 1938, is hereby cancelled.

Lahore, the 20th May 1938.

No. 58.—The following officers of the Indian Railway Service of Engineers, who are provisionally permanent in the Senior Scale, are confirmed in the Senior Scale, with effect from the 31st March 1938:—

1. Mr. W. S. Benton.
2. Mr. A. S. Hay.

No. 59.—Mr. Wazir Singh Aggarwal, a Junior Scale Officer of the Indian Railway Service of Engineers, is promoted to the Senior Scale permanently, with effect from the 31st March 1938.

No. 60.—The following Officers are promoted from the Junior to the Senior Scale provisionally with effect from the 31st March 1938.

1. Mr. P. C. Taela.
2. Mr. A. L. Sheikh.
3. Mr. R. B. Seth.
4. Mr. A. G. Hall.

Lahore, the 23rd May 1938.

No. 61.—Mr. A. S. Faruqui, Assistant Executive Engineer, is granted an extension of leave on average pay for 4 days, with effect from 3rd May 1938 in continuation of the leave already granted to him under this office Notification No. 25, dated the 22nd February 1938.

No. 62.—Mr. A. C. Rego, Temporary Engineer, is granted leave preparatory to retirement on average pay, with effect from 8th June 1938 or subsequent date of relief to 11th August 1938.

Lahore, the 25th May 1938.

No. 63.—Mr. T. C. Hales, V.D., Divisional Supdt., is granted leave (out of India), for four months, viz., leave on average pay for two months and on half average pay for the remaining period, with effect from 30th May 1938 or subsequent date of relief.

J. MACKINNON,

Agent.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 19th May 1938.

No. 21620-S./2147.—Mr. J. N. Compton, Assistant Mechanical Engineer (Junior Scale) has been provisionally confirmed as Mechanical Engineer (Senior Scale), from 7th September 1937.

Mr. C. H. A. Saunders, Executive Engineer (Senior Scale) has been granted 1 year 5 months and 19 days leave (viz., 1 month 15 days privilege and 1 year 4 months and 5 days furlough on half pay) preparatory to retirement, from 28th April 1938.

Mr. N. N. Ghosh, Chemist and Metallurgist (Senior Scale) has been granted 2 months privilege leave, from 9th May 1938.

J. H. F. RAPER.

Agent.

OFFICE OF THE CONTROLLER OF PRINTING AND STATIONERY, INDIA.

NOTIFICATIONS.

New Delhi, the 27th May 1938.

No. 1/1/37-A. & F.—Mr. E. V. Gregory, Officiating Manager of Publications, Central Publication Branch, Delhi, is confirmed in that appointment, with effect from the 23rd February 1937.

No. 1/1/37-A. & F.—Mr. E. V. Kanade, Officiating Assistant Controller, Printing, Office of the Controller of Printing and Stationery, India, is confirmed in that appointment, with effect from the 23rd February 1937.

C. F. WEAKFORD,

Controller of Printing and Stationery, India.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, JUNE 4, 1938.

☞ **Separate paging is given to this Part in order that it may be filed as a separate compilation.**

PART II.

Notifications by High Court, Indian State Railways, etc

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage. Rs. A. P.	Additional postage for supplies out of India. Rs. A. P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48 0 0	15 0 0
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Extraordinary issues	Price fixed for each issue individually.

There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 4th June 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

May 23, 1938.

25264. P. S. Subramanyam. Improvements to thambura, or the stringed musical instrument for use as an accompaniment.

25265. P. S. Subramanyam. Improvements to the mechanically worked stringed and fretted musical instrument.

25266. P. S. Subramanyam. Improvements to the mechanically worked stringed instrument without frets.

25267. D. P. Jardine. Improvements in hurricane lanterns.

25268. R. Dewas. Improvements in or relating to weft inserting needles for weaving looms.

25269. Automatic Telephone and Electric Co., Ld. Improvements in electrical signalling systems. (June 9, 1937).

25270. The Superheater Co., Ld. Improvements in or relating to steam separating apparatus. (November 16, 1937).

25271. The Superheater Co., Ld. Improvements relating to regulator valve apparatus for locomotives.

25272. Flight Refuelling, Ld. Improvements in the method of and apparatus for refuelling aircraft in the air.

25273. Metallgesellschaft Aktiengesellschaft. Process for synthesising hydrocarbons.

25274. Air Control Installations, Ld., and G. V. Oholm Improvements in and relating to apparatus for drying granular materials.

May 24.

25275. Stator Corporation. Improvements in refrigerating and water heating apparatus.

25276 Stator Corporation. Improvements in water heating and refrigerating apparatus.

25277. H. C. Andrews. Improved method of and means for aerating and preventing or retarding milk and like liquids from frothing over when boiling.

25278. The Indian Hume Pipe Co., Ld. Improvements in and relating to machines for fabricating hollow articles of concrete and the like.

May 26.

25279. Marshall Sons & Co. (India), Ld., and E. C. Corbould. Improvements in or relating to rotary oil expressing Mills.

May 27.

25280. E. B. Higgins. Improvements relating to the colouring or other decoration of textile and other tissues. (May 28, 1937).

25281. Burn & Co., Ld. Improvements in and relating to refractory or heat and/or sound insulating materials to products made therefrom and to methods of manufacturing the same.

Alteration of Date.

24035. The claim to priority date the 8th June 1936 has been abandoned and the application dated as of the 25th May 1937 the date of filing in India.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24035. Machines Pty., Ld. An improved sewing machine. *Lock stitch type employing upper and lower threads incorporating a vertical two stroke needle-bar and a long shuttle.*

24148. Rolls Razor, Ld. Improvements in or relating to shaving devices. *Outer shearing member having central bar with lateral teeth and guide nib and reciprocating inner shearing member having groove and lateral teeth.*

24181. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to piezo electric crystal elements. *Cutting quartz crystal so as to have a unitary freedom for its X-axis mode of vibration.*

24289. N. H. S. van Reesema. Improvements in or relating to soil improvers. (August 7, 1936). *Complex compounds of humic acid and aluminium or iron.*

24377. Knoll A. G., Chemische Fabriken. Process for the manufacture of β-(p-oxyphenyl) iso-propyl-methyl-amine. *Condensing p-oxybenzylmethyl ketone with methylamine and reducing the product.*

24412. P. R. Dhanji. Improvements in or relating to built-up boards. *Having core board with deep grooves on one or both faces.*

24684. J. A. M. Watson. Improvements in and relating to tiles for building and construction purposes, and particularly to roofing tiles and to roofs made therefrom. *Having framework of sheet form with projections embedded in concrete.*

24803. Automatic Telephone and Electric Co., Ld. Improvements in telephone systems and automatic switches suitable for use therein. (February 1, 1937). *Drive effected from stored energy under control of signals from distant point.*

24910. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). Improvements in convey or worm. *Casing and cylindrical and conical worms having threads of triangular cross-section with knife-edge contact with casing.*

24945. R. Pintus. Improvements in or relating to waistbands for trousers. *Drawstraps at hip portion of waistband between its body and lining guided over buckles and out through slot in lining.*

24965. H. L. Fletcher. Improvements in or relating to grips for handles of golf clubs, cricket bats, hockey sticks or other shaft-like bodies. (March 16, 1937). *Portion of projections or ribs is of right-handed helix and portion left-handed.*

24969. The Mirrlees Watson Co., Ld. Improvements relating to air discharge valves for calandrias for single and multiple effect evaporators. (June 24, 1937). *Means responsive to increase in condensable vapour moving the valve towards closed position.*

24980. C. W. Mine Products Co., Ld. Improvements in stemming plugs for use in coal mines, quarries and the like when shot-firing. (March 2, 1937). *Stemming plugs having axial cavity and longitudinal groove.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23866. Bakelite, Ld.
23886. Karantha
23889. N. V. De Bataafsche Petroleum Maatschappij.
23897. Elektro-Thermit G. m. b. H.
23916. Whitelegg & Rogers, Ld.
23922. Edeleanu-Gesellschaft m. b. H.
23967. Ateliers H. Duesberg-Bosson. Societe Anonyme.
23969. Piacentini.
24007. Willis.
24053. Alma Motor Co.
24098. Das and Das.
24184. Woodard.
24196. Widdas.
24244. Sett.
24332. Wellesley Holdings, Limited.
24395. Roés.
24397. Harrison and Marshall Sons and Company (India), Limited.
24404. De Gialluly.
24454. Mehta and Jolly.
24523. Callender's Cable and Construction Co., Ld. and Hamilton.
24539. Joseph Crosfield and Sons, Ld.
24555. Winmill and Kirwan.
24564. Reklamaktiebolaget Epok.
24598. Marconi's Wireless Telegraph Co., Ld.
24602. Mountstephen, Wood and Spence.
24622. Levi.
24623. Bjorck.
24626. Watson.
24648. Chick.
24664. Executors of James Mills, Ld.
24688. Kennedy.
24691. Ahmad Din.
24692. Sundrum.
24781. Society of Chemical Industry in Basle.
24782. J. F. Haig and Co., Ld. and Haig.
24784. Mitterbiller-Epp.
24789. Universal Oil Products Co.
24796. Paris Crown Seals, Ld.
24801. Marconi's Wireless Telegraph Co., Ld.
24808. Blakemore and The Lancashire Metal Subliming Corporation, Ld.
24809. N. V. De Bataafsche Petroleum Maatschappij.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23569. Warren.
23590. I. G. Farbenindustrie Aktiengesellschaft.
23643. Peglers, Ld.
23706. Magnani.
23740. Dr. Rohm.
23781. International Latex Processes, Ld.
23802. DePenning.
23812. Gillespie.
23825. Davidson and Co., Ld.
23865. Marconi's Wireless Telegraph Co., Ld.
23907. I. G. Farbenindustrie Aktiengesellschaft.
23977. The premier Waterproof & Rubber Co., Ld., and Ridings.
23991. Dr. Rohm.
24114. Callender's Cable and Construction Co., Ld.
24145. The Lanatin Corporation.
24159. Novocol Chemical M. F. G. Co., Inc.
24189. J. L. et Lavigne.
24197. Naamlooze Vennootschap organon.
24215. Universal Process (Parent) Co., Ld.
24344. The General Electric Company, Limited.
24370. Amin.
24491. The British Ropeway Engineering Company, Limited.
24516. I. G. Farbenindustrie Aktiengesellschaft.
24519. Indian Jute Mills Association.

Patents Sealed.

23332. Paul.
23334. Arjun Das.
24428. Narayanan.
23429. Narayanan.
23445. Seshiah.
23553. Gerrard Industries, Ld.

23671. Corning Glass Works.
23718. The General Electric Co., Ld.
23742. Schweizerische Lokomotiv & Maschinenfabrik.
23858. Wellman Seaver Rolling Mill Co., Ld.
23860. Marconi's Wireless Telegraph Co., Ld.
23867. Universal Oil Products Co.
23899. Elektro-Thermit G. m. b. H.
24239. Co-Operative Wholesale Society, Ld., and Foulkes.
24416. Owens-Illinois Glass Co.
24417. Owens-Illinois Glass Co.
24419 Davy and Sha.
24439. Societe Anonyme des Charbonnages de Beeringen.
24442. Owens-Illinois Glass Co.
24443. Owens-Illinois Glass Co.
24445. Owens-Illinois Glass Co.
24478. Knoll A. G., Chemische Fabriken.

Amendment Proceedings.

23595. In pursuance of leave granted on the 26th May 1938, the above-numbered specification has been amended in the manner set forth in Part II of the *Gazette of India* dated the 5th February 1938.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest:—

22239. Tampax Incorporated.
23259. Horatio Malcolm Mckay.
23312. Alkaliwerke Westeregln G. m. b. H.
23859. Stewarts and Lloyds of India, Ld.

Renewal Fees Paid.

PATENTS.

3778. Hume. (To 18th July 1939).
11424. Universal Oil Products Co. (To 22nd June 1939).
11586. Mitchell and anr. (To 15th September 1939).
11618. Farbenfabriken vorm. Friedr. Bayer & Co. (To 31st August 1939).
13387. Watson and anr. (To 27th June 1939).
13470. I. G. Farbenindustrie Aktiengesellschaft (To 25th July 1939).
14438. Labhu Ram and anr. (To 2nd June 1939).
14616. I. G. Farbenindustrie Aktiengesellschaft. (To 23rd July 1939).
14692. International General Electric Co. Inc. (To 13th August 1939).
15930. Gas Accumulator Co. (U. K.), Ld., and anr. (To 4th August 1939).
16031. The British Tabulating Machine Co., Ld. (To 19th July 1939).
16177. I. G. Farbenindustrie Aktiengesellschaft. (To 26th August 1939).
16251. I. G. Farbenindustrie Aktiengesellschaft. (To 16th September 1939).
16990. Pouchain. (To 12th May 1939).
17014. Frigidaire Corporation. (To 26th May 1939).
17237. I. G. Farbenindustrie Aktiengesellschaft. (To 28th July 1939).
17259. International General Electric Co. Inc. (To 4th August 1939).
17278. International General Electric Co. Inc. (To 11th August 1939).
17304. International General Electric Co. Inc. (To 18th August 1939).
18004. Self. (To 4th June 1939).
18100. Gossler. (To 8th June 1939).
18172. I. G. Farbenindustrie Aktiengesellschaft. (To 6th July 1939).
18233. International General Electric Co. Inc. (To 3rd August 1939).
18467. The British Tabulating Machine Co., Ld. (To 2nd July 1939).
19046. I. G. Farbenindustrie Aktiengesellschaft, (To 4th July 1939).
19087. I. G. Farbenindustrie Aktiengesellschaft. (To 25th July 1939).
19155. I. G. Farbenindustrie Aktiengesellschaft. (To 29th August 1939).
20011. Hayes-Gratze. (To 19th June 1939).
20039. The British Cotton Industry Research Association. (To 12th July 1939).
20070 Fernholz. (To 10th July 1939).
20120. Carl Schmittutz. (To 31st July 1939).
20949. Standard-Vacuum Oil Co. (To 13th June 1939).
20955. The British Tabulating Machine Co., Ld. (To 7th July 1939).
21005. Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (To 9th July 1939).
21035. Fitzpatrick Corporation. (To 23rd July 1939).
21036. Fitzpatrick Corporation. (To 23rd July 1939).
21158. Scholler. (To 10th September 1939).

Cessation of Patents.

9022. Metropolitan-Vickers Electrical Co., Ld.
10190. Governors of the University of Toronto.
15413. Societe Internationale Isothermos.
19672. Imperial Chemical Industries, Ld.
19681. Mazzucchelli.
20271. The Singer Manufacturing Co.
20622. Syed Kamal.
20623. Milne's Safety Bathing Suits, Ld.
20624. McKee.
20634. Sircar.
20635. Allmanna Svenska Elektriska Aktiebolaget.
20636. Cossar.
20637. Perry.
20638. Compagnie Francaise Du Mircdisque.
21268. Wood and anr.
21644. Automatic Electric Co., Ld.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets:—

Class 1. No. 62769. Gangadhar Shankarrao Ambekar, of 169, Vethal Peth, Poona City, Bombay, British India. November 22, 1937.

Class 1. No. 63298. Spence, Ld., and Walter Albin Robinson, both of 23, Convent Road, Entally, Calcutta, Bengal, British India. April 30, 1938.

Class 5. No. 63001. Hermann Nier of Bierfeld (Saxonia), Germany. January 25, 1938.

Class 6. No. 63287. Uberoi, Ld., of Sialkot, Punjab, British India. April 27, 1938.

Class 13. No. 63286. Mohammad Haroon, s/o Haji Barkatullah, resident of Mohalla Katehar, Benares City, and Mohammad Yaqoob, s/o Shukrulla, resident of Mohalla Daranagar, Benares City. April 26, 1938.

Class 13. Nos. 63312 and 63313. The Mafatlal Fine Spg. & Mfg. Co., Ld., of Navsari, Baroda State. May 10, 1938.

Class 13. No. 63314. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. May 11, 1938.

Class 13. No. 63317. Sha Dwarkadas Dhanji, of Mulji Jetha Market, Gaumukh Galli, Bombay 2, British India. May 16, 1938.

Class 13. Nos. 63318 to 63324. The Standard Mills Co., Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. May 16, 1938.

Class 14. Nos. 63315 and 63316. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. May 11, 1938.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original proprietors of designs have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

63058. Maison A. de Luze & Fils Societe a Responsabilite Limitee.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 13. Nos. 35350 and 35351. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. August 6, 1928.

Class 13. No. 35503. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. August 13, 1928.

Class 13. No. 36244. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. September 10, 1928.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 13. Nos. 57076, 57077 and 57078. The Bombay Co., Ld., of Wallace Road, Karachi, British India. August 22, 1933.

Class 13. No. 57080. The Bombay Co., Ld., of Wallace Road, Karachi, British India. August 23, 1933.

Class 13. Nos. 57165, 57167 and 57170. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. August 29, 1933.

Class 13. No. 57210. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. September 13, 1933.

Class 13. Nos. 57231, 57232 and 57233. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. September 22, 1933.

Class 14. Nos. 57241 and 57242. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. September 22, 1933.

NOTICES

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.

BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary Home and Political Department, Government of Burma.
WASHINGTON . (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,
Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Calcutta, the 11th May 1938.

Portion of the following note of the Calcutta Office of Issue is stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person/party who consider(s) himself/themselves as having a right to it is/are warned to communicate at once with the undersigned.

Case No.	Number of Note.	Value.	Name and address of the applicant.
		Rs.	
W.D./11 of 1938.	S/41-200057	100	Daulat Khan, Police Head Constable, P. S. Dhuri District Sunam (Patiala State).

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT,
CALCUTTA.

S. GUPTA,
Currency Officer.

Rangoon, the 19th May 1938.

Portions of the following note of the Rangoon Office of Issue are stated to have been destroyed and application for payment of its value have been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
T/25-106345	10	Maung Sein, Retired Sub-Inspector of Police, Minbine Qr., Danubyu.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT,
RANGOON.

S. NATARAJAN,
Currency Officer.

Lahore, the 26th May 1938.

Portions of the following note of the Lahore Office of Issue are stated to have been destroyed, and payment of its value has been claimed by the person whose name is shown against the number. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No	Number of Note.	Value.	Name of claimant.
		Rs.	
W.D. 7 of 1938	T-35/073971	100	Mr. Bhima, C/o Messrs. Gulzari Mal Ram Chand, Lahore.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT,
LAHORE.

MUL CHAND,
Currency Officer.

Cawnpore, the 28th May 1938.

Portions of the following note of the Cawnpore Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
S/54-393552	100	Mr. Ram Prasad, Mahalla Sheopuri, P. O. Chowk, Lucknow.

M. N. BHATTACHARYYI,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, CAWNPORE.

Bombay, the 31st May 1938.

Portions of the following notes of the Bombay Office of Issue are stated to have been destroyed, and payment of their value has been claimed by the person whose name is placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Notes.	Value.	Name of claimant.
		Rs.	
D 9 of 1938 .	S/66-773038 S/73-275543 S/73-275544 S/73-275545 S/73-275546 S/73-275547 S/73-275552 S/73-275553 S/73-275554 S/73-275555 S/73-275556 T/15-185098 T/15-958132	100 each.	Messrs. Jethmal Gopilal of Talegaon, Tal., Akot, Dist. Akola.

V. G. DESMUKH,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, BOMBAY.

IMPERIAL BANK OF INDIA.

NOTICE.

Bombay, the 25th May 1938.

Notice is hereby given that the Principal Register and the Branch Registers of the Imperial Bank of India will be closed for transfer of shares from Friday, the 1st July 1938, to Friday, the 15th July 1938, both days inclusive.

W. LAMOND,

Managing Director.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATION.

New Delhi, the 25th May 1938.

No. 01829-E./01370-E.—On return from leave Mr. M. L. Nanda, Assistant Executive Engineer, resumed duty in the Construction Division, Central P. W. D., in New Delhi on the forenoon of the 10th May 1938.

A. BREBNER,

Chief Engineer.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATIONS.

Calcutta, the 30th May 1938.

No. 1636.—Mr. F. H. Grant, Offg. Superintendent, is granted, under the Fundamental Rules, leave out of India on average pay for 4 months and on half average pay for 1 month 10 days, from the 30th June 1938, or date of availing.

C. G. LEWIS,

Brigadier,

Surveyor General of India.

Office of the Director, Geodetic Branch.

Dehra Dun, (U. P.), the 27th May 1938.

No. 3.—Mr. Jugal Behari Lal, Extra Assistant Superintendent, Survey of India, is granted under Fundamental Rules leave on average pay on Medical Certificate for 3 months and 30 days, with effect from the 29th April 1938, with permission to affix Sunday the 28th August 1938 to the leave.

C. M. THOMPSON,

Colonel,

Director, Geodetic Branch,

Survey of India.

GEOLOGICAL SURVEY OF INDIA.

NOTIFICATION.

Calcutta, the 27th May 1938.

No. 3057/1892.—In modification of this office Notification No. 2875/1892, dated the 16th May 1938, Dr. B. C. Roy, Geologist, Geological Survey of India, was granted earned leave for 13 days, with effect from the 25th April 1938. Dr. Roy, on his return from leave, resumed his duty as Geologist in Calcutta, from where he had proceeded on leave.

W. D. WEST,

for Director,

Geological Survey of India.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATIONS.

P. O. New Forest (Dehra Dun), the 27th May 1938.

No. 170/C.—Mr. V. D. Limaye, Officer-in-Charge, Timber Testing Section, Forest Research Institute, Dehra Dun, is granted leave on average pay for 2 months and one day, with effect from the 23rd May 1938, with permission to prefix and affix Sundays, the 22nd May and 24th July 1938, to his leave.

Mr. S. M. Hasnain, Assistant Timber Testing Officer, Forest Research Institute, will hold charge of the Timber Testing Section in addition to his own duties during the absence on leave of Mr. Limaye.

No. 172/C.—Dr. S. N. Kapur, Officer-in-Charge, Wood Seasoning Section, Forest Research Institute, Dehra Dun, is granted leave, on average pay, for 2 months, with effect from the 23rd May 1938, with permission to prefix Sunday, the 22nd May 1938, to his leave.

Mr. M. A. Rehman, Assistant Seasoning Officer, will hold charge of the Wood Seasoning Section, in addition to his own duties, during Dr. Kapur's absence on leave.

L. MASON,

Inspector General of Forests.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

Simla, the 1st June 1938.

No. EB. 15.—Mr. L. K. Dey, Assistant Aerodrome Officer, Jacobabad, is granted earned leave for 23 days, with effect from 3rd June 1938 or the date from which it is actually taken.

F. TYMMS,

Director of Civil Aviation in India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on
- Week-days and Saturdays from 10 A.M. to 7 P.M.
- Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 4th June 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

GOVERNMENT OF INDIA, DEPARTMENT OF LABOUR.

Central Boilers Board.

NOTIFICATION.

Simla, the 23rd May, 1938.

No. A-909.—The following draft of certain regulations which the Central Boilers Board proposes to make in exercise of the powers conferred by section 28 of the Indian Boilers Act, 1923 (V of 1923), as in force in Berar, is published, as required by sub-section (1) of section 31 of the said Act, for the information of all persons likely to be affected thereby, and notice is hereby given that the draft will be taken into consideration on or after the 1st September 1938.

Any objection or suggestion which may be received from any person in respect of the said draft before the date specified will be considered by the Central Boilers Board. Such objections or suggestions should be addressed to the Secretary, Central Boilers Board, Labour Department, Kennedy House, Simla.

DRAFT REGULATIONS.

PRELIMINARY.

1. Short title, extent and commencement.—(*a*) These regulations may be called the Berar Boiler Regulations, 1938.

(*b*) They shall come into force with effect from the 1st November 1938.

2. Definitions.—In these regulations, unless there is anything repugnant in the subject or context :

(*a*) the " Act " means the Indian Boilers Act, 1923 ;

(*b*) " Inspecting Authority " means an authority recognized by the Governor General in Council as competent to grant a certificate in Form II ;

(*c*) " Inspecting officer " means—

(*i*) in respect of material manufactured or boilers constructed in British India, an officer appointed by the Governor General in Council for the purpose,

(*ii*) in respect of material manufactured or boilers constructed outside British India, an officer acting on behalf of any Inspecting Authority recognized as competent by the Governor General in Council.

PART I.

Standard conditions for the design and constructions of land boilers.

3. (1) A boiler shall not be registered under sub-section (4) of section 7 of the Act and a certificate shall not be issued under sub-section (5) of that section with reference to a boiler, unless the standard conditions in respect of material, design and construction, which are specified in this Part, are satisfied in respect of such boiler.

(2) Notwithstanding anything contained in sub-regulation (1), the Chief Inspector may, subject to the provisions of regulation 46, register a boiler and order the issue of a certificate authorising the use thereof, although the standard conditions are not fully satisfied in respect of such boiler : Provided that the Chief Inspector shall not register such boiler or order the issue of such certificate, if a structural part of such boiler which is subject to pressure is made of Bessemer process steel or of cast or malleable cast iron.

CHAPTER I.

General requirements and conditions as to material, workmanship, etc.

4. Standard requirements.—(*a*) **Material.**—All steel plates, rivets and bars used in the construction of boilers shall be tested and found to conform with the requirements of Chapter II.

(*b*) **Construction.**—All boilers during construction shall be under the supervision of an Inspecting Officer.

(*c*) **Inspecting Authority's certificate.**—For boilers imported into British India a certificate from an Inspecting Authority in Form II certifying that the material was tested and the boiler built under their supervision shall be furnished to the Chief Inspector before or with the application for registration. Together with such certificate the Inspecting Authority may furnish a Memorandum of inspection book in Form I prepared in the manner prescribed by regulation 160 in respect of the inspection of the boiler during construction and the hydraulic-test applied on completion. In the case of steel made and tested by well-known makers in India or Great Britain the certificate of the makers in Form IV as prescribed in regulation 27 may be accepted in lieu of a certificate from an Inspecting Authority.

The Chief Inspector shall decide whether for the purpose of this regulation a maker is " well-known " or not.

(*d*) **Certificates, etc., under section 14 (1) (c) of the Act.**—In advance of or along with, an application for registration of a boiler, the following certificates and drawings or specifications shall be furnished to the Chief Inspector, namely :—

(*i*) A certificate in Form III of manufacture and test signed by the maker or by a responsible representative of the maker of the boiler, containing a description of the boiler, its principal dimensions, particulars of the kind of material used in its construction, the thickness of all plates, the diameter of and method of forming the rivet holes in the shell plates, particulars of any departure from ordinary practice in making the shell such as solid rolling or welding, the hydraulic test to which the boiler was subjected, the intended working pressure, the area of heating surface, the year and place of make, and the works number of the boiler.

There may be included in such certificate a further declaration that samples of the angle, stay or rivet bars and rivets used in the construction of the boiler have been certified by the makers to have been tested and found to comply with the requirements of Chapter II ; in which declaration the kind of material used and the limits of tensile breaking strength with which the tests comply shall be stated with sufficient precision to obviate the risk of confusion in making allowances. Where such further declaration is included in such certificate, the certificates referred to in clause (*iii*) of this sub-regulation shall not be required.

(*ii*) A drawing or print to a scale, in the case of large boilers of not less than $\frac{3}{4}$ inch to the foot and, in the case of small boilers, of not less than $1\frac{1}{2}$ inches to the foot, showing the principal dimensions and a longitudinal section and end view of the boiler, and bearing the works number of the boiler and the maker's

office stamp. The drawing shall show details of riveting of longitudinal and circumferential shell seems with pitch of rivets, cross spacing of rivet rows and diameters of rivet holes ; the radii of curvature of dished end plates, fillets of flanges and corners of bent plates, and where gusset stays are fitted, the number and diameter of rivet holes in each joint of gusset stay.

(*iii*) A certificate from the steel maker and a certificate from the maker of the plates, rivets or bars, of the nature referred to in regulations 26 and 27 respectively. The certificate from the maker of the plates, rivets or bars, shall show the charge numbers, the plate or bar numbers and the number and dimensions of the various plates, etc., tested, their ultimate tensile breaking strength in tons per square inch of section, the percentage of elongation and the length on which measured, the number, kind and result of bend or other tests made and the date of tests.

Provided that where an Inspecting Authority furnishes a certificate in Form II together with a memorandum of inspection book in Form I in accordance with sub-regulation (*c*), the certificates prescribed under clauses (*i*) and (*iii*) need not be furnished to the Chief Inspector when application is made for registration of the boiler. But should any question arise in respect of the fitness of the boiler for the working pressure approved by the Inspecting Authority within a period of three years from the date of their certificate, the owner shall, if requested by the Chief Inspector, obtain and furnish the original documents specified in the said clauses.

(*e*) **Maker's stamp.**—The boiler shall have stamped upon its front plate in a conspicuous position the following particulars :—

		Maker's name.	
Works' number			Year of make
Tested to	lbs.	on	
W. P.	lbs.	Inspecting Officer's or Inspecting Authority's official stamp.	

5. (*i*) **Modification of formulæ.**—Under the regulations for determining the working pressure to be allowed on various parts of boilers, the material to which the formulæ apply shall in the absence of express provision to the contrary be steel complying with the requirements of Chapter II.

(*ii*) Where no test certificates for shell plates and rivets are produced, the material shall be treated as iron. If, however, in such cases the Inspector is clearly satisfied that the material is of good quality, a higher strength than that allowed for iron may be permitted but the strength of the shell plates shall not, save for special reasons, be assumed to be more than 26 tons. In such cases S and S^1 in equations 1, 3 and 4 of Chapter III may be respectively 26 and 21 for steel and 21 and 18 for iron. For iron across the grain S may be 18.

(*iii*) Where end plates, furnaces, flat plates, girders, gusset and other stays, etc., are made of steel or iron for which no test certificates are produced the working pressure as found from the formulæ, in which S is to be taken at the lowest limit prescribed for the part, reduced by 15 per cent. shall, except where such material is specifically provided for in any formula, be the working

pressure permitted. For flat plates of copper, the working pressure as found from the formula, reduced by 50 per cent. shall be the working pressure permitted.

6. Standard specifications for material.—The standard specifications for steel, wrought iron and copper plates and bars, and for cast steel shall be those prescribed in Chapter II, but certificates of tests of material for wrought iron (except for special wrought iron for screw stays), copper and cast steel shall not be required unless special allowances are required. Such special allowances shall be in the discretion of the Chief Inspector.

7. Welded steel plates.—No steel plates subject to a direct tensile stress shall be welded, except where the weld is covered by a butt strap or straps or except as permitted in Chapter III of these Regulations.

8. Annealing after working in fire.—All steel plates which are welded, dished, flanged or locally heated shall be afterwards efficiently annealed.

9. Rivet holes.—All rivet holes shall be drilled, " fair " and as far as possible shall be drilled in place. After drilling the plates the burrs shall be removed, the faying surfaces of the plates cleaned and the sharp outer edges of the holes removed.

Explanation.—Where sizes of rivets are mentioned in the Standard Conditions the sizes refer to the diameters of the rivet holes, not to the diameters of the rivets used before closing.

10. End plates in steam space.—When the end-plates of large boilers situated in the steam space are liable to contact with hot gases in the uptake, the end plates shall be efficiently shielded from such contact, as in the Scotch type of marine boiler.

11. Hydraulic tests of new boilers.—In all new boilers designed to work at a pressure not exceeding 100 lbs. per square inch the hydraulic test shall be twice the working pressure. For boilers designed to work at a pressure greater than 100 lbs. per square inch the hydraulic test pressure shall be $1\frac{1}{2}$ times the working pressure *plus* 50 lbs. per square inch.

CHAPTER II.

Materials of construction.

STEELPLATES, RIVETS AND BARS.

(*Based on British Standards.*)

12. Process of manufacture.—Structural steel for boilers shall be made by the Open Hearth process, acid or basic, as may be specified, and shall not show on analysis more than 0·05 per cent. of sulphur or of phosphorus.

13. Freedom from defects.—The finished material shall be free from cracks, surface flaws, and lamination. It shall also have a workmanlike finish, and shall not be hammer dressed.

14. Testing and Inspecting.—The following tests and inspections shall be made at the place of manufacture prior to despatch ; but, in the event of any of the material proving unsatisfactory in the course of being worked into boilers, such material shall be rejected, notwithstanding any previous certificate of satisfactory testing, and such further tests of the material from the same charge shall be made as the Inspector in attendance may consider desirable.

15. (*b*) **Tensile test pieces.**—The tensile strength and ductility shall be determined from standard test pieces cut lengthwise or crosswise from the rolled material. When material is annealed or otherwise treated before despatch, the test pieces shall be similarly and simultaneously treated with the material before testing.

(*b*) (*i*) **Plates.**—Wherever practicable the rolled surfaces shall be retained on two opposite sides of the test piece. The elongation shall be measured on a Standard test piece having a gauge length of 8 inches.

(*ii*) For material more than $\frac{7}{8}$ inch in thickness the width of the test piece between the gauge points shall not exceed $1\frac{1}{2}$ inches ; for material $\frac{7}{8}$ inch to $\frac{3}{8}$ inch in thickness, inclusive, the width shall not exceed 2 inches ; for material less than $\frac{3}{8}$ inch in thickness the width shall not be more than $2\frac{1}{2}$ inches. In other respects the test pieces shall conform generally to the Standard Test Piece A of the British Engineering Standards Committee.

(*c*) (*i*) **Round bars.**—Bars may be tested full size as rolled, or they may be turned down to a convenient size, and if tested 1 inch in diameter or under, the test piece shall have a gauge length of 8 times the diameter. When enlarged ends are used, the length of the parallel portion shall be 9 times the reduced diameter (Standard Test Piece B of the British Engineering Standards Committee). The sectional area of the test piece shall be not less than $\frac{1}{4}$ square inch. Where bars are above 1 inch in diameter, and are tested full size as rolled, or have been turned down and the resulting test piece is above 1 inch in diameter, a gauge length of 4 times the diameter may be used at the option of the manufacturer, in which case an increased elongation will be required, as specified in regulation 17. When enlarged ends are used, the length of the parallel portion shall be not less than $4\frac{1}{2}$ times the reduced diameter (Standard Test Piece F of the British Engineering Standards Committee).

(*c*) (*ii*) Any straightening of test pieces which may be required shall be done cold.

16. Mechanical tests, and selection of test pieces.—Plates and bars for boilers shall comply with the following mechancial tests. All test pieces shall be selected by the Inspecting Officer and tested in his presence, and he shall satisfy himself that the conditions herein described are fulfilled.

17. Tensile tests.—(*a*) **Plates.**—The tensile breaking strength of steel plates for shells, gusset stays and girders, determined from Standard Test Pieces, shall be between the limits of 26 and 32 tons per square inch, but a range of not more than 4 tons per square inch shall be permitted in any one case. For plates intended for flanging or welding, and for combustion chambers and furnaces, the tensile breaking strength shall be between the limits of 24 tons and 30 tons per square inch. The elongation, measured on a standard test piece having a gauge length of 8 inches, shall be not less than 20 per cent. for material of $\frac{3}{8}$ inch in thickness and upwards required to have a tensile breaking strength between the limits of 26 tons and 32 tons per square inch ; and not less than 23 per cent. for material of $\frac{3}{8}$ inch in thickness and upwards required to have a tensile breaking strength between the limits of 24 tons and 30 tons per square inch.

(*b*) **Stay bars.**—(*i*) The tensile breaking strength of longitudinal stays shall be between the limits of 26 tons and 32 tons per square inch, with an elongation of not less than 20 per cent. measured on the Standard Test Piece B, but a range of not more than 4 tons per square inch shall be permitted in any one case. For steel bars for fire-box and combustion chamber stays the tensile

breaking strength shall be between the limits of 24 tons and 30 tons per square inch, with an elongation of not less than 23 per cent. measured on the Standard Test Piece B.

(*ii*) Where Stay Bars are tested on a gauge length of 4 times the diameter (Test Piece F) the elongation shall be 24 per cent. and 28 per cent. respectively.

(*iii*) The tensile breaking strength of angle and tee bars shall be between the limits of 26 and 32 tons per square inch, with an elongation of not less than 20 per cent. measured on the Standard Test Piece A.

(*iv*) For material under $\frac{3}{8}$ inch in thickness the elongation may be 3 per cent. but not more than 3 per cent. below the above-named elongations.

(*v*) Wherever practicable the rolled surfaces shall be retained on two opposite sides of the test piece.

(*c*) **Rivet bars.**—The tensile breaking strength of rivet bars shall be between the limits of 24 tons and 28 tons per square inch of section, with an elongation of not less than 25 per cent. measured on the Standard Test Piece B or 30 per cent. measured on the Standard Test Piece F. The bars may be tested the full size as rolled.

18. Number of tensile tests.—(*a*) **Plates.**—One tensile test shall be taken from each plate as rolled. For plates exceeding $2\frac{1}{2}$ tons in weight one tensile test shall be taken from each end.

(*b*) **Angle, tee, rivet and stay bars.**—One tensile test shall be made from each 15 or part of 15 bars rolled of each section or diameter from the same charge, but not less than two tensile tests shall be made unless the total number of bars rolled from the same charge is 8 or less than 8 and the bars are of the same section or diameter, in which case one tensile test shall suffice. For round bars of $1\frac{3}{4}$ inches diameter and under, the numbers 50 and 20 shall be substituted for 15 and 8 respectively for determining the number of tests required.

(*c*) **Breakage outside middle half.**—Should a tensile test piece break outside the middle half of its gauge length, the test may, at the maker's option, be discarded and another test be made of the same plate or bar.

19. Bend Tests.—(*a*) **Cold Bends.**—Test pieces shall be sheared lengthwise or crosswise from plates or bars, and shall not be less than $1\frac{1}{2}$ inches wide, but for small bars the whole section may be used. For rivet bars bend tests are not required.

(*b*) **Temper Bends.**—(*i*) The test pieces shall be similar to those used for cold bend tests. For temper bend tests the samples shall be heated to a blood red colour and quenched in water at a temperature not exceeding 80 degrees Fahr. The colour shall be judged indoors in the shade.

(*ii*) In all cold bend tests, and in temper bend tests on samples 0·5 inch in thickness and above, the rough edge or arris caused by shearing may be removed by filing or grinding and samples 1 inch in thickness and above may have the edges machined, but the test pieces shall receive no other preparation. The test pieces shall not be annealed unless the material from which they are cut is similarly annealed, in which case the test piece shall be similarly and simultaneously treated with the material before testing.

(*c*) For both cold and temper bends the test piece shall withstand, without fracture, being doubled over until the internal radius is equal to $1\frac{1}{2}$ times the thickness of the test piece and the sides are parallel.

—

(*d*) For small sectional material these bend tests may be made from the flattened bar.

(*e*) Bend tests may be made either by pressure or by blows.

20. Number of Bend Tests.—(*a*) **Plates.**—A bend test shall be taken from each plate as rolled. For plates exceeding 2½ tons in weight one bend test shall be taken from each end. The bend tests from shell plates, butt straps and other plates which have not to be flanged or worked in the fire or which when in use are not to be exposed to flame shall be cold bend tests. The bend tests from plates which have to be flanged or worked in the fire or which when in use will be exposed to flame shall be temper bend tests.

(*b*) **Angle Bars.**—A cold or a temper bend test shall be made from each angle bar rolled.

(*c*) **Stay Bars.**—A cold and a temper bend test shall be made from every 15 stay bars as rolled from each charge.

21. Tests for manufactured rivets.—Rivets selected by the Inspecting Officer from the bulk shall withstand the following tests :—

(*a*) The rivet shanks shall be bent cold, and hammered until two parts of the shank touch, without fracture on the outside of the bend.

(*b*) The rivet heads shall be flattened, while hot, without cracking at the edges, until their diameter is 2½ times the diameter of the shank.

22. Additional tests before rejection.—Should the test pieces first selected by the Inspector or Inspecting Officer not fulfil the test requirements, two further tests of the same kind may be made, but should either of these fail, the plates or bars from which test pieces were cut shall be rejected. In all such cases further tests shall be made before any material from the same charge can be accepted.

23. Branding.—Every plate and bar shall be clearly and distinctly marked by the maker in two places with an approved quality brand indicating that the material has complied with the required tests ; and also with the number or identification marks by which they can be traced to the charge from which the material was made.

24. Defacing of rejected material.—In the event of the material failing in any case to withstand the prescribed tests, the Inspector or Inspecting Officer shall see that the quality brand stamped on the material has been defaced by punch marks extending beyond the brand in the form of a cross, denoting that the material has been rejected.

25. Facilities for inspection.—The maker shall adopt a system of marking the ingots, billets, slabs, plates, bars, etc., which will enable all finished material to be traced to the original charge, and the Inspector or Inspecting Officer shall be given every facility for tracing all plates and bars to their respective charges, and for witnessing the required tests. When he is satisfied with the material and with the results of the tests, he shall be furnished with two copies of the advice notes of the material for his signature.

26. Steel not produced where rolled.—Where steel is not produced in the works at which it is rolled, a certificate in Form IV shall be supplied to the Inspecting Officer deputed to witness the testing of the material, stating the Open Hearth Process by which it was made, the name of the Steel Maker who supplied it, also the numbers of the charges for reference to the books of the Steel Maker. The number of the charge shall be marked on each plate or bar for the purpose of identification.

27. Maker's certificate.—Before the mill sheets are signed, the maker shall furnish the Inspecting Officer with a certificate in Form IV guaranteeing that the material has been made by the Open Hearth Process acid or basic, and that it has been subjected to, and has withstood satisfactorily the tests above described in the presence of the Inspecting Officer. The following form of certificate will be accepted if printed on each mill sheet with the name of the firm, and initialled by the Test House Manager :—

'We hereby certify that the material described below has been made by the Open Hearth Process, $\frac{\text{acid}}{\text{basic}}$, and has been satisfactorily tested in the presence of $\frac{\text{the Inspecting Officer}}{\text{our Test House Manager}}$ in accordance with the Standard tests.'

IRON PLATES, RIVETS AND BARS.

28. Specification and Tests.—Wrought iron plates, stay and rivet bars shall comply with the British Standard Specification for Wrought Iron, Report No. 51 (revised August, 1913).

The tensile and elongation tests shall be as follows :—

29. Plates.—The tensile breaking strength shall be between 20 and 24 tons with the grain, with elongations of not less than 12 per cent. for plates up to $\frac{5}{8}$ inch thick and 10 per cent. for plates over $\frac{5}{8}$ inch thick. The tensile breaking strength of the plates across the grain shall be between 17 and 21 tons with an elongation of not less than 4 per cent. measured on the Standard Test Piece A.

30. Rivet Bars.—The tensile breaking strength shall be between 21 and 25 tons with an elongation of not less than 25 per cent. measured on the Standard Test Piece B (as rolled) or 30 per cent. measured on the Standard Test Piece F (as rolled).

31. Tests for manufactured rivets.—To be the same as for steel. (See regulation 21.)

32. Stay Bars.—The tensile breaking strength shall be between 21 and 25 tons with an elongation of not less than 22 per cent. measured on the Standard Test Piece B (as rolled) or 27 per cent. measured on the Standard Test Piece F (as rolled).

33. Special Iron for Screw Stays for Fireboxes and Combustion Chambers.—In order that iron screw stays may be approved of the same size as would be required for mild steel, the iron must withstand the following tests :—

(*i*) **Tensile Tests.**—The tensile breaking strength shall not be less than $21\frac{1}{2}$ tons per square inch, with an elongation of not less than 25 per cent. measured on the Standard Test Piece B or 30 per cent. measured on the Standard Test Piece F.

(*ii*) **Bend Tests.**—Test pieces either of the bar as rolled, or turned down to 1 inch diameter, shall stand bending cold until the sides are parallel and the space between the two sides is not greater than the diameter of the test piece.

(*iii*) **Number of Tensile Tests.**—The bars as rolled shall be placed in batches of twenty, and one tensile test shall be taken from each batch. If this is unsatisfactory, two other bars shall be selected for tests, and should either of these fail the batch shall be rejected.

(*iv*) **Number of Bend Tests.**—One ordinary bend test shall be taken from each batch, and a similar test piece from each batch shall be lightly and evenly nicked on one side, with a sharp cutting tool and bent back at this point through an angle of 180 degrees by pressure or by a succession of light blows. The fracture must be clean, fibrous, free from slag or dirt or any coarse crystalline structure. If either of these is unsatisfactory, two other bars shall be selected for test, and should either of these fail the batch shall be rejected.

(*v*) In all cases the selection of the test pieces shall be made by the Inspecting Officers.

COPPER PLATES, STAY AND RIVET BARS.

34. Tensile Tests.—(*a*) **Plates.**—The tensile breaking strength of copper plates for fire-boxes determined from standard test pieces shall not be less than 14 tons per square inch with an elongation of not less than 35 per cent. measured on Standard Test Piece A.

(*b*) **Stay and Rivet Bars.**—The Tensile breaking strength of copper stay and rivet bars for fire-boxes shall not be less than 14 tons per square inch of section with an elongation of not less than 40 per cent. measured on the Standard Test Piece B.

35. Bend Tests.—Plates.—For either cold or red hot tests the test piece shall withstand being doubled over without fracture until the sides are touching and parallel.

36. Hammer Tests for Rods.—A piece of rod or bar 1 inch in length shall withstand, without cracking at the edges, being hammered endwise until the length is reduced to ⅜ inch.

CAST STEEL.

37. Steel Castings.—Steel for castings may be made by any reliable process, acid or basic. All such castings shall be thoroughly annealed at a uniform temperature and be allowed to cool down prior to removal from the annealing furnace. If subsequently heated with the Inspecting Officer's approval, they shall again be similarly annealed if required by the Inspecting Officer.

38. Tensile and Bend Tests.—The tensile, elongation and bend tests for cast steel shall be as specified below. If full allowance for steel castings for fire-box or combustion chamber roof girders is required, they shall be tested as follows.

39. Number of Tests.—At least one tensile and one bend test shall be made from the casting from each charge, and when more than one casting is made from one charge, at least one tensile and one bend test shall be made from the castings run from one common pouring head ; but separate tests shall be made from each casting or set of castings run from each separate pouring head.

Test pieces shall not be cut off until they have been stamped by the Inspecting Officer after the annealing has been completed.

40. Tensile Tests.—The tensile breaking strength of steel castings shall be between the limits of 26 and 40 tons per square inch, with an elongation of not less than 15 per cent. measured on the Standard Test Piece, C, D or E. (See Forms of British Standard Tensile Test Pieces.)

41. Bend Tests.—Cold bend tests shall be made upon test pieces having a rectangular section of 1 inch wide by $\frac{3}{4}$ inch thick. The test pieces shall be machined and the edges rounded to a radius of 1/16th inch. The test pieces shall be bent over the thinner section.

Bend tests may be made by pressure or by blows.

The test pieces shall withstand, without fracture, being bent through an angle of 60 degrees if the tensile breaking strength is between 35 and 40 tons per square inch, and, in the case of other castings through an angle of 90 degrees, the internal radius of the bend being not greater than 1 inch.

42. If full allowance for steel castings is not required, only bend tests as above shall be taken.

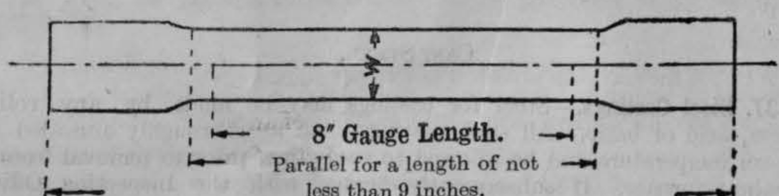
43. No tests shall be made from unimportant steel castings, or from steel castings which are used for articles usually made of cast iron, if the scantlings are not materially reduced below what would be required if cast iron were used.

FORMS OF BRITISH STANDARD TENSILE TEST PIECES.

For plates and other structural material.

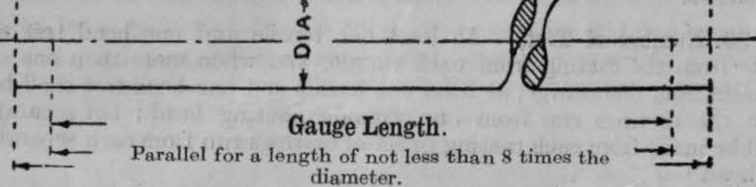
Test Piece A.

For thicknesses over $\frac{7}{8}''$:—Maximum width allowed = $1\frac{1}{2}$ inches.
For thicknesses $\frac{3}{8}''$ to $\frac{7}{8}''$:—Maximum width allowed = 2 inches.
For thicknesses under $\frac{3}{8}''$:—Maximum width allowed = $2\frac{1}{2}$ inches.



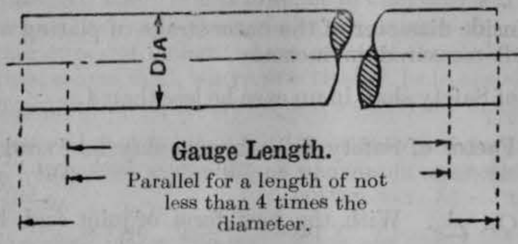
TOTAL LENGTH ABOUT 18 INCHES.

Test Piece B.



With enlarged ends : Parallel for a length of not less than
9 times the reduced diameter.

Test Piece F.



CHAPTER III.

Regulations for determining the working pressure to be allowed on various parts of boilers.

44. The maximum pressure at which a boiler may be used shall be determined in accordance with the provisions of this Chapter.

CYLINDRICAL SHELLS.

45. Formula for working pressure of shell.—(*a*) For cylindrical shells barrels, steam and water drums, and domes of boilers the maximum working pressure per square inch to be allowed shall be calculated from the following formula :—

[NOTE.—Where parts of drums of water tube boilers are perforated for tubes, the working pressure shall be calculated by equation (55) under 'Tube Plates'.]

$$\text{W. P.} = \frac{(t-2)\times S\times J}{C\times D} \qquad \text{Eqn. (1).}$$

W. P. is the working pressure in lbs. per square inch,

t is the thickness of shell plates in 32nds of an inch,

S is the minimum tensile breaking strength of the shell plates in tons per square inch, or whatever strength is allowed under Regulation 5.

J is the percentage of strength of the longitudinal seams of shell or of a line of holes in the shell for stays, or rivets, or of an opening in the shell not fully compensated, whichever is least calculated by the methods hereafter described,

C is a co-efficient as follows :—

2·75 when the longitudinal seams are made with double butt straps and when small shells are formed from solid rolled sections ;

2·83 when the longitudinal seams are made with lap joints and are treble riveted ;

2·9 when the longitudinal seams are made with lap joints and are double riveted ;

3·0 when the longitudinal seams are welded and are fitted with a single butt strap ;

3·3 when the longitudinal seams are made with lap joints and are single riveted ;

D is the inside diameter of the outer strake of plating of the cylindrical shell measured in inches.

The Factor of Safety shall in no case be less than 4.

The actual Factor of Safety in each case may be found from the equation,—

$F=1{\cdot}4\times C\times \frac{t}{t-2}$. With the best form of joint and least co-efficient (C) the Factor of Safety for shell plates, $\frac{1}{4}$ inch to $1\frac{3}{4}$ inches in thickness, varies from 5·13 to 3·99.

An addition of 10 per cent. shall be made to the appropriate co-efficient for shells of boilers in which the longitudinal seams are lap jointed and are not accessible to close visual inspection and for shell plates of externally fired boilers exposed to the direct impact of furnace flame ; provided that this addition shall not apply to the steam and water drums of water tube boilers where the drums are not close to the fire-grate and there are tubes between the fire-grate and the drum.

(*b*) The above co-efficients are standard and shall be used only for boilers open to inspection by an Inspecting Officer during the whole period of construction and which are certified by him as having been constructed in accordance with the Standard Conditions laid down in these Regulations.

46. Boiler shells not in accordance with standard conditions.—When the standard conditions are not complied with, additions to the appropriate co-efficient, as defined in the preceding regulation, shall be made as follows :—

(*a*) When there are no proofs of tests of steel, 15 per cent. of the standard co-efficient.

(*b*) When a boiler has not been inspected during construction by an Inspecting Officer and certified by him, 10 per cent. of the standard co-efficient.

(*c*) When the workmanship is in any way doubtful and the Inspector is not satisfied that any of the foregoing additions to the co-efficient would be sufficient to meet the circumstances, such percentage of the standard co-efficient as the Chief Inspector deems fit.

47. Cylindrical Shells.—(*a*) Shell plates shall not be less than $\frac{1}{4}$ inch in thickness.

(*b*) *Cylindrical shells shall be as truly cylindrical as practicable.

(*c*) Welded end, or other circumferential seams, shall not be accepted, provided that in small wagon boilers and the like the fire-hole mouth-piece may be welded to the shell.

*Note.—Lap longitudinal joints interfere with the circularity of the section. Preferably the longitudinal seams should be of butt construction with double straps. Welded seams in shells are not desirable and should be accepted only under the conditions of regulation 51.

48. Position of Longitudinal Seams.—Each ring of plate forming the shell, barrel or drum shell, where practicable, be in one piece and have its longitudinal seam well out of line with those of the adjoining rings. In Lancashire, Cornish, and other types of boilers, where parts of the shell are exposed to flame, the longitudinal seams shall, where practicable, be in the steam space, arranged alternately on each side of the crown and clear of the brick work.

49. Riveting of End Seams.—(*a*) The riveting of the seams joining the end plates to the cylindrical shell shall be not less in strength than 38 per cent. of the solid plate.

(*b*) Where shell plates and end plates are connected by means of an external angle ring, as in the front ends of Lancashire and Cornish type boilers, the angle ring shall not be less in thickness than as follows :—

(*i*) For shell plates up to 5/8 inch in thickness.	Ten per cent. in excess of the thickness of shell plate.
(*ii*) For shell plates between 5/8 inch and 1 inch in thickness.	90 per cent. of the thickness of inch shell plate.
(*iii*) For shell plates exceeding one inch in thickness.	One inch.

50. Other Circumferential Seams.—The circumferential seams joining the rings of shell plates shall have a strength of joint not less than 50 per cent. of that of the longitudinal seam, and not less than that required of the end seams.

51. Welded Shell Plates.—Except as provided for in Regulation 53, where longitudinal seams are welded, the weld shall be entirely covered by a butt strap or straps securely riveted to the shell. For small steam domes where the welding is done by hammer and the plates do not exceed $\frac{1}{2}$ inch in thickness the straps may be omitted. The strength of the weld shall be assumed to be 50 per cent. of that of the solid plate. The thickness of a single strap or combined thickness of double straps shall not be less than the thickness of the shell plate.

52. Butt Ends of Shell Rings.—The ends of shell plate rings where butted shall be given the same curvature as the rest of the ring. The setting shall not be done by hammering.

53. Butt Straps.—(1). Butt straps shall be cut from plates and not from rolled strip. They shall be bent in the rolls or pressed to the required curve. Thinning of the ends of butt straps which tuck under the shell rings shall be done by machine and not by heating and hammering.

(2) As an alternative to the tucking of butt strap ends under the shell rings the ends may be terminated at the edge of the shell rings or ends and electrically welded thereto.

(3) When the ends of the butt seams of shell rings are electrically welded for a distance of not less than twice the overlap at the circumferential seams, either or both internal and external butt straps may be terminated either (*a*) at the edge of the adjacent shell ring or end (in which case the butt strap end terminating at the edge of the shell ring or end shall be welded thereto in the manner described above), or (*b*) at the minimum distance from theedge of the adjacent shell ring or end necessary for both

circumferential ring or end seam and end of butt strap to be adequately caulked. This distance shall in no case exceed twice the thickness of the shell plate, and when this form of construction is employed the strength of the short welds in the butt seams of the shell rings uncovered by a butt strap or straps may be assumed to be 100 per cent.

(4) Only metal arc welding of the butt seams of shell rings shall be permitted and the joint shall be in accordance with Figure 63 of British Standard Specification No. 499.

54. Methods of calculating the strength of riveted joints.—(*i*) The percentage of strength of a riveted joint (J) shall be found from the following formulæ (*a*), (*b*), (*c*) : (*a*) and (*b*) are applicable to any ordinary type of joint ; (*c*) is applicable only to that type of joint in which the number of rivets in the inner rows is double that of the outer row. The lowest value given by the application of these formulæ is to be taken as the percentage of strength of the joint compared with the solid plate.

$$(a)\quad \frac{100\,(P-D)}{P} \text{ Plate percentage} \quad . \quad . \quad . \quad \text{Eqn. (2)}$$

$$(b)\quad \frac{100\times A\times N\times C\times S_1}{P\times T\times S} = \text{Rivet percentage} \quad . \quad . \quad \text{Eqn. (3)}$$

$$(c)\quad \frac{100\,(P-2D)}{P} + \frac{100\times A\times C\times S_1}{P\times T\times S} = \text{Combined plate and rivet percentage} \quad . \quad . \quad . \quad . \quad \text{Eqn. (4)}$$

P is the pitch of rivets at outer row in inches,

D is the diameter of rivet holes in inches,

A is the sectional area of one rivet hole in square inches,

N is the number of rivets per pitch, (P),

T is the thickness of plate in inches,

C=1 for rivets in single shear as in lap joints, and 1·875 for rivets in double shear as in double butt strapped joints,

S_1 is the shearing strength of rivets which is taken generally to be 23 tons per square inch for steel and 18 tons per square inch for iron and may, in each case, be 85 per cent. of the minimum tensile breaking strength of the rivet bars,

S is the minimum tensile breaking strength of shell plates in tons per square inch, or whatever strength is allowed under Regulation 5 of Chapter I.

In the first formula (*a*) D is the diameter of the rivet holes in the outer rows and in the third formula D is the diameter of the rivet holes in the next rows. In the last formula A is the area of one rivet hole in the outer row.

(*ii*) When the sectional area of the rivet holes is not the same in all rows, and when some of the rivets are in double shear and others in single shear, the rivet sections per pitch of each size or shear shall be computed separately and added together to form the total rivet section.

55. When Pitch exceeds maximum allowed.—Should the pitch of the rivet exceed the maximum pitch allowed, the permissible pitch shall be used in place of the actual pitch in determining the percentage of plate section, and in such circumstances no greater percentage than 85 shall be allowed for any type of joint.

56. Butt Straps and spacing of rivets below requirements.—Should the spacing of the rows of rivets or the distance between edge of plate and rivet hole, or the thickness of butt straps be less than is specified in regulations 59, 60 and 61, the percentage representing the strength of joint shall be modified as prescribed in those regulations.

57. Percentage of Welded and Strapped Seams.—In determining the percentage of strength of a welded seam covered by a strap or straps the formulæ and allowances in regulations 54, 55 and 56 shall be applied, but 50 per cent. shall be added to the rivet percentage for the weld.

58. Percentage to be allowed for Solid Rolled Shells.—When small shell are rolled from the solid, J in equation (1) shall be taken as 95 per cent.

59. Thickness of Butt Straps.—This minimum thickness of butt strap[8] for the longitudinal seams of cylindrical shells shall be determined by the following formulæ, but all straps should be of sufficient thickness to permit of efficient caulking, and in any case shall not be less than $\frac{1}{4}$ inch in thickness.

Single butt straps having ordinary riveting :—

$$1{\cdot}125T = T_1 \quad \text{Eqn. (5).}$$

Single butt straps having every alternate rivet in the outer rows omitted :—

$$1{\cdot}125T \times \frac{(P-D)}{(P-2D)} = T_1 \quad \text{Eqn. (6)}$$

Double butt straps of equal width having ordinary riveting :—

$$\cdot 625T = T_1 \quad \text{Eqn. (7)}$$

Double butt straps of equal width having every alternate rivet in the outer rows omitted :—

$$\cdot 625\,T \times \frac{(P-D)}{(P-2D)} = T_1 \quad \text{Eqn. (8)}$$

Double butt straps of unequal width having ordinary riveting :—

$$\cdot 75\,T = T_1 \text{ (wide strap)} \quad \text{Eqn. (9)}$$

$$\cdot 625\,T = T_1 \text{ (narrow strap)} \quad \text{Eqn. (10)}$$

Double butt straps of unequal width having every alternate rivet in the outer rows omitted :—

$$\cdot 75\,T \times \frac{(P-D)}{(P-2D)} = T_1 \text{ (wide strap)} \quad \text{Eqn. (11)}$$

$$\cdot 625\,T \times \frac{(P-D)}{(P-2D)} = T_1 \text{ (narrow strap)} \quad \text{Eqn. (12)}$$

T_1 is the thickness of the butt straps in inches. The other symbols have the same significance as in Regulation 54.

Single and wide butt straps shall, wherever practicable, be on the inside of the shell.

Should the thickness of butt straps be less than that above described, the least percentage of joint as determined under regulation 54 shall be reduced in the proportion of the actual thickness to the prescribed thickness.

60. Maximum Pitch of Rivets in longitudinal joints.—The maximum pitch of the rivets in the longitudinal joints of boiler shells shall be—

$C \times T + 1\cdot625$ = maximum pitch in inches . . . . Eqn. (13)

T is the thickness of the shell plate in inches,

C is a co-efficient as given in the following table :—

Number of Rivets per pitch.	Co-efficients for Lap Joints.	Co-efficients for single Butt-strapped Joints.	Co-efficients for double Butt-strapped Joints.
1	1·31	1·53	1·75
2	2·62	3·06	3·50
3	3·47	4·05	4·63
4	4·14	..	5·52
5	..	..	6·00

61. Spacing of rows of rivets.—(*a*) In joints, whether lapped or fitted with butt straps, in which there are more than one row of rivets and in which there is an equal number of rivets in each row, the distance between the rows of rivets shall be not less than—

Zig-zag riveting,

$\cdot33\,P + \cdot67\,D$ = distance between centre lines of rows (R) . . . . Eqn. (14)

Chain riveting,

$2\,D$ = distance between centre lines of rows (R_1) . Eqn. (15)

(*b*) In joints in which the number of rivets in the outer rows is one half of the number in each of the inner rows, and in which the inner rows are chain riveted, the distance between the outer rows and the next rows shall be not less than as required by equations (14) and (15) whichever is the greater, and the distance between the rows in which there are the full number of rivets shall be not less than $2\,D$ (R_1).

(*c*) In joints in which the number of rivets in the outer rows is one half of the number in each of the inner rows, and in which the inner rows are zig-zag, the distance between the outer rows and the next rows shall be not less than—

$\cdot2\,P + 1\cdot15\,D$ = distance between centre lines of outer and next rows (R) . . . . Eqn. (16)

The distance between the rows in which there are the full number of rivets shall be not less than—

$\cdot165\,P + \cdot67\,D$ = distance between centre lines of inner rows (R_1) . . . . Eqn. (17)

P is the pitch of the rivets in the outer rows,

D is the diameter of the rivet holes in inches or the mean of the diameters of rivet holes when the distance to be determined is between two rows of rivets of different diameters.

(*d*) Should the distance between rows of rivets be less than as prescribed above, the plate percentage determined by equation (2) shall be modified thus—

$$\frac{100\left[P-\left(2-\frac{\text{actual distance D}}{\text{prescribed distance}}\right)\right] = \text{distance of rows}}{P}$$

percentage . . . . Eqn. (18)

(*e*) In all cases the clear space between a rivet hole and the edge of a plate shall not be less than the diameter of the rivet holes, *i.e.*, the centre of the rivet hole shall be at least $1\frac{1}{2}$ diameters distant from the edge of the plate (E)—

Provided that, if this condition be not observed, the strength value of the rivets affected shall be reduced in the proportion of the actual distance between the outer edge of the rivets and the edge of the plate to the prescribed distance.

HEMISPHERICAL AND DISHED END PLATES.

62. Complete hemisphere without stays or other support made of one or more plates and subject to internal pressure.—The maximum working pressure shall be determined by the following formula :—

$$W.P. = \frac{(t-2) \times S \times J}{C \times R} \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (19)}$$

W. P. is the working pressure in lbs. per square inch,

t is the thickness of the end plates in 32nds of an inch,

S is the minimum tensile breaking strength of the end plates in tons per square inch, or whatever strength is allowed for them,

J is the least percentage of strength of the riveted joints of the plates forming the hemisphere or securing it to the cylindrical shell,

R is the inner radius of curvature in inches,

C for single riveting is 3·3,

C for double riveting is 2·9,

C for treble riveting is 2·83.

63. Dished ends subject to internal pressure.—(*a*) For unstayed ends of steam and water drums, tops of vertical boilers, etc., when dished to partial spherical form, the maximum working pressure shall be determined by the following formula :—

$$W.P. = \frac{15 \times S \times (t-1)}{R} \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (20)}$$

W. P. is the working pressure in lbs. per square inch,

t is the thickness of end plates in 32nds of an inch,

R is the inner radius of curvature of the end in inches, which shall not exceed the diameter of the shell to which it is attached,

S is the minimum tensile breaking strength of plate in tons per square inch, or whatever is allowed for it.

The inside radius of curvature at the flange shall be not less than times the thickness of the end plate, and in no case less than $2\frac{1}{2}$ inches.

When the end has a manhole in it, $\frac{4}{32}$ nds, shall be added to the thickness of the plate in the formula.

(c) The total depth of flange of manhole from the outer surface in inches shall be at least equal to—

$\sqrt{T \times W}$ = depth of flange in inches . . . Eqn. (21)

where T is the thickness of the plate in inches and W is the minor axis of the hole in inches.

64. Dished ends subject to external pressure.—In the case of unstayed dished ends, for the co-efficient 15 in equation (20) the co-efficient 12 shall be substituted, and R shall be the outer radius of curvature of plate. For plates exposed to furnace flame the co-efficient shall be 10·5.

65. Dished ends of Lancashire and Cornish type Boilers.—(*a*) For dished ends of Lancashire and Cornish boilers with external or internal flanges for furnaces formed in one piece, without stays and subject to internal pressure the maximum working pressure shall be determined by the following formula :—

$$W.P. = \frac{22 \times S \times (t-1)}{R}. \quad \text{Eqn. (22).}$$

W. P. is the working pressure in lbs. per square inch,

t is the thickness of the end plate in 32nds of an inch,

R is the inner radius of curvature of the end in inches which shall not exceed one and a half times the internal diameter of the shell to which it is attached.

S is the minimum tensile breaking strength of the plate in tons per square inch, or whatever is allowed for it.

(*b*) The inside radius of curvature at the flange shall be not less than 4 times the thickness of the plate and in no case less than $3\frac{1}{2}$ inches. When the end plate has a manhole in it the total depth of the flange of manhole from the outer surface in inches shall be at least equal to—

$\sqrt{T \times W}$ = depth of flange in inches . . . Eqn. (23)

where T is the thickness of the plate in inches and W is the minor axis of the hole in inches.

66. Dished shell and firebox crowns.—(*a*) In determining pressure in accordance with these regulations, no account shall be taken of the influence of the uptake tube in vertical boilers. If dished crown plates having uptakes are fit for higher pressures, when considered as flat plates, such higher pressure shall be allowed.

(*b*) The radius R of the dished part may be found as follows :—

$$R = \frac{C^2 + H^2}{2H} \quad \text{Eqn. (24)}$$

C and H are the lengths in inches of half the base line or chord on which H is measured and the height of the dish or camber at the middle of the chord respectively.

FLAT PLATES.

67. Flat plates supported by solid screwed stays, marginal seams or flanges.—(*a*) For plain flat plates supported by solid screwed stays or riveted marginal seams or flanges, the maximum working pressure shall be as follows:—

$$W.P. = \frac{C(t-1)^2}{A^2 + B^2} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (25)}$$

In this formula and in those following in the succeeding regulations relating to "Flat Plates" unless otherwise specified.

W. P. is the working pressure in lbs. per square inch,

t is the thickness of the flat plate in 32nds of an inch,

t_1 is the thickness of the washers, strips, or doublings employed, in 32nds of an inch,

A is the distance apart of the rows of stays in inches,

B is the pitch of the stays in the rows in inches,

C is a co-efficient which varies in value with the method of fixing the stays and nature of the support.

Where the plates are exposed to the direct impact of flame the following values of C are to be reduced $12\frac{1}{2}$ per cent.—

C = 60 for stays screwed into the plate with their ends riveted over.

C = 90 for stays screwed into the plate and fitted with nuts on the outside,

C = 100 for stays passed through the plate and fitted with nuts inside and outside.

C = 110 for a riveted seam or flange, in the flat plate securing it to the shell side plate, and plate, furnace or uptake.

The support of a riveted seam shall be assumed to be at the line through the centres of rivets in the nearest row and of a flange at the commencement of curvature. In the latter case, if the inner radius of curvature of the flange exceeds $2\frac{1}{2}$ times the thickness of the plate, the support shall be assumed to be at a distance of $2\frac{1}{2}$ times the thickness of the plate from the inner side of the flange.

(*b*) Where portions of plate are supported by stays or riveted seams or flanges having various values of support, the value of C shall be taken as the mean of the points of support concerned.

(*c*) For portions of plate where the stays are irregularly pitched D^2 shall be used instead of A^2+B^2, D being the diameter of the largest circle which can be drawn passing through not less than three points of support, *viz.*, the centres of stays, or rivets or the commencement of the curvature of flanging, whichever is applicable.

(*d*) For the tops and sides of combustion chambers and fireboxes the distance between the rows of stays nearest to the back tube plate, or the back or firehole plate respectively, and the commencement of curvature of these plates at their flanges, shall not be greater than A.

(*e*) For the tops of combustion chambers and fireboxes where they are joined to the sides by curved portions, if the outer radius of the curved portion is less than half the allowable distance between the girders, the distance between the first girder and the inner surface of the side plates shall not exceed

the allowable distance between the girders. If the radius of curvature is greater than half the allowable distance between the girders, the width of the flat portion measured from the centre of the girder shall not be more than half the allowable distance between the girders.

(*f*) Where stay tubes are not fitted in nests of tubes, as in tube plates of loco-type, boilers, and parts of plate outside the space occupied by tubes are supported, in accordance with regulation 99 (*b*), by screwed stays each stay in the row nearest the tubes shall be sufficient strength to support the plate up to the edges of the tube holes in addition to its share of the plate on the opposite side of the line of stays.

The working pressure for the plate between tubes and stays shall be determined by Eqn. (25), A being the horizontal pitch of the stays in the nearest row, B twice the distance between the centre line of stays and a line touching the tubes opposite them and C the co-efficient appropriate to the kind of stay.

68. Flat plates supported by stays and nuts and large washers or strips or doublings.—(*a*) Where the plates are supported by stays passing through them and are fitted with nuts inside and washers and nuts outside, the diameter of the washers being at least $3\frac{1}{2}$ times that of the stay, and their thickness at least two-thirds that of the plate, but not greater than that of the plate, the maximum working pressure shall be :—

$$W.P. = \frac{100}{A^2 + B^2}[(t-1)^2 + \cdot 15\, t_1^2] \qquad \text{Eqn. (26)}$$

(*b*) Where the washers have a diameter of at least two-thirds of the pitch of the stays and a thickness of at least two-thirds of the thickness of the plate but not greater than that of the plate, and are riveted to the plate in an efficient manner, the maximum working pressure shall be :

$$W.P. = \frac{100}{A^2 + B^2}[(t-1)^2 + \cdot 35\, t_1^2] \qquad \text{Eqn. (27)}$$

(*c*) Where the plate is stiffened by strips at least two-thirds of the pitch of the stays in breadth which have a thickness of at least two-thirds of that of the plate, but not greater than that of the plate, and are riveted to the plate in an efficient manner, the maximum working pressure shall be :—

$$W.P. = \frac{100}{A^2 + B^2}[(t-1)^2 + \cdot 55\, t_1^2] \qquad \text{Eqn. (28)}$$

(*d*) Where the plates are fitted with doubling plates having a thickness of at least two-thirds of that of the plate but not greater than that of the plate, and are riveted to them in an efficient manner, the maximum working pressure shall be :

$$W.P. = \frac{100}{A^2 + B^2}[(t-1)^2 + \cdot 85\, t_1^2] \qquad \text{Eqn. (29)}$$

69. Flat Tube Plates.—(*a*) For the portions of tube plates in the nests of tubes where stay tubes are required (see regulation 97) and where the minimum thickness and cross section of tube plate are not less than as prescribed in Regulation 98, the maximum working pressure shall be :—

$$W.P. = \frac{C(t-1)^2}{P^2} \qquad \text{Eqn. (30)}$$

P is the mean pitch of the stay tubes supporting any portion of the plate (being the sum of the four sides of the quadrilateral divided by four),

C = 70 for stay tubes screwed and expanded into the plate and no nuts are fitted,

C = ·85 for stay tubes screwed and expanded into the plate and fitted with nuts.

(*b*) No nuts shall be fitted to stay tubes at the combustion chamber or firebox end.

(*c*) Where the plates are exposed to the direct impact of flame, the co-efficient C shall be reduced by 12½ per cent., and where the thickness or cross section of tube plate between tubes is less than as prescribed in regulation 98 the appropriate co-efficient shall be reduced in proportion to the deficit.

(*d*) For the wide water spaces of tube plates between the nests of tubes and between the wing rows of tubes and the shell, the maximum working pressure shall be :—

$$W.P. = \frac{C}{A^2 + B^2}\left[(t-1)^2 + \cdot 55\, t_1{}^2\right] \quad . \quad . \quad . \quad \text{Eqn. (31)}$$

A is the horizontal pitch of stay tubes in inches measured across the wide water space from centre to centre,

B is the vertical pitch of stay tubes in the bounding rows in inches measured from centre to centre,

C = 60 for stay tubes screwed and expanded into the tube plates and no nuts are fitted,

C = 80 for stay tubes screwed and expanded into the tube plates and fitted with nuts,

C = 70 for stay tubes screwed and expanded into the tube plates and nuts are fitted only to alternate stay tubes,

t is the thickness of the flat plate in 32nds of an inch,

t_1 is the thickness of the washers, strips or doublings employed in 32nds of an inch.

(*e*) Where the plates are exposed to the direct impact of flame, the co-efficient C shall be reduced 12½ per cent.

70. Plates supported by gusset stays.—(*a*) For the end plates of Lancashire, Cornish, Vertical and Locotype boilers, and other flat surfaces supported by irregularly pitched gusset stays, the maximum working pressure shall be :—

$$W.P. = \frac{C\,(t-1)^2}{D^2} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (32)}$$

D is the diameter of the largest circle which can be drawn passing through not less than three points of support, *viz.*, the centre lines of rivets or the commencement of the curvature of flanging, whichever is applicable.

C = 100 for plates not exposed to flame.

C = 88 for plates exposed to flame.

(*b*) Where such plates are stiffened by suitable tee or angle bars securely riveted to the plates within the circle D, the appropriate co-efficient may be increased thirty per cent. Such stiffening bars shall be placed so as to transmit their load in a direct manner to the gusset stays or shell plate.

(c) For the part of the end plate containing the manhole in Lancashire boilers, the maximum working pressure shall be :—

$$W.\,P. = \frac{C}{D^2}\left[(t-1)^2+(t_1-1)^2\right] \quad . \quad . \quad . \quad . \quad \text{Eqn. (33)}$$

D is the diameter of the largest circle which can be drawn enclosing the manhole and passing through the centres of the rivets in end plates connecting the shell and gusset angles and furnaces, or to the commencement of curvature of flanging, whichever is applicable, where the circle passes through only three of the possible five points of support mentioned the remaining two shall be embraced within the circle,

t is the thickness of the end plates in 32nds of an inch,

t_1 is the thickness of the base of the mouthpiece or flat ring in 32nds of an inch,

C = 90 where the manhole mouthpiece is either of mild or cast steel, and has a turned-in flange of a depth, measured from inside of end plate, of not less than 4 times the thickness of the end plate, and a thickness not less than the thickness of the end plate,

C = 70 where only a flat steel compensating ring is fitted,

C is to be taken as the mean of the points of support through which circle passes in accordance with regulation 67 where there is no mouthpiece or flat ring and the end plate is flanged around the manhole to the depth required in regulation 71.

71. Flanged manholes and mudholes in flat plates.—Where a flat plate is flanged to stiffen it at a manhole or sight hole, to permit the same working pressure as would be allowed upon an unpierced plate, the depth of the flange measured from the outer surface shall be at least equal to

$$\sqrt{T \times W} = \text{depth of flange in inches} \quad . \quad . \quad . \quad \text{Eqn. (34)}$$

where T is the thickness of the plate in inches, and W is the minor axis of the hole in inches.

72. Flat Crown plates of vertical boilers.—For the flat crown plates of vertical boilers either with or without bolt stays, equation (32) shall be used in determining the working pressure with C = 80, when the plates are not exposed to flame, and 70, when they are exposed to flame. In this case D is the diameter of the largest circle that can be drawn passing through the centres of the rivets or bolt stays when fitted, or the commencement of the curvature of the flanging, whichever is applicable. Where bolt stays are fitted with washers of the same thickness as the plate securely riveted thereto, the circle shall pass through the centres of the washer rivets, but where the washers are not riveted or where none are fitted the circle shall pass through the centres of the stays. Where the crown plate is flanged the inside radius of curvature at the flange shall not be less than 4 times the thickness of the end plate.

73. Circular flat ends of drums, etc., supported only at edges.—For these ends C in equation (32) shall be taken as 140 when the plates are not exposed to flame, and 122·5 when they are exposed to flame. In this case the circle D of largest diameter shall pass through the centres of rivets or bolts securing the end to the shell or, where the end is flanged, through the commencement of curvature.

Where flanged the inside radius of curvature at the flange shall not be less than 4 times the thickness of the end plate.

74. Bar or bulb stiffened end plates and smokebox tube plates of loco-type boilers.—Where such plates instead of being supported by stays are stiffened in the steam space by substantial tee or angle bars securely riveted to the plate and extending across the plate to within the margin allowed by equation (35), or where such plates are formed with a deep bulb extending across the plate to well within the margin allowed, for the support thus given,

C shall be taken as equal to 80 and 70 for plates not exposed, and exposed, to flame respectively. The margin or pitch for such stiffening shall be measured from the centre line of rivets or commencement of curvature of bulb provided it is not more than 2 inches from the centre line of bulb.

For the flat plate above the stiffener or bulb, C shall be taken as the mean of the values appropriate for the points of support.

75. Flat plate margins.—The amount of support in relief of stays which may be credited to the sides of shells, furnaces, uptakes, firehole and foundation rings, etc., to which flat plates are attached shall not exceed that found by the following formula:—

$$\frac{1}{2}\times\sqrt{\frac{C\,(t-1)^2}{W.\,P.}} = \text{width of margin in inches} \quad . \quad . \quad \text{Eqn. (35)}$$

W. P. is the intended working pressure in lbs. per square inch,

$C = 110$ for plates not exposed to the direct impact of flame,

$C = 96$ for plates exposed to the direct impact of flame.

Where the plates are flanged the margin shall be measured from the commencement of curvature or from a line $2\frac{1}{2}$ times the thickness of the plate distant from the side of the flange next the inner radius of corner, whichever is less. In other cases the margin shall be measured from the centre line of rivets in the nearest row of the seam by which the flat plate is attached.

STAYS.

76. *Solid screwed stays.—For screw stays to combustion chambers and fireboxes and for longitudinal and cross stays, the maximum working pressure for the stays is to be calculated from the appropriate one of the following two formulæ :—

$$W.\,P. = \frac{C}{A}\left(D - \frac{1\cdot 28}{N}\right)^2 \quad . \quad . \quad . \quad . \quad \text{Eqn. (36)}$$

$$W.\,P. = \frac{C \times D_1{}^2}{A} \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (37)}$$

W. P. is the working pressure in lbs. per square inch,

D is the diameter of stay over threads in inches,

D_1 is the diameter of body of stay at its smallest part in inches,

N is the number of threads of stay per inch.

A is the area in square inches supported by one stay [For area to be supported by stays near tubes in firebox tube plates of locotype boilers, see regulation 67 (f)],

$C = 7100$ for steel or special wrought iron screws stays to combustion chambers or fireboxes.

*NOTE.—It is desirable that the threads of screw stays, etc., should be of Whitworth form in accordance with the British Standard Specification for fine screw threads.

C = 7500 for steel longitudinal or cross stays fitted with nuts,
C = 4700 for copper screw stays to fireboxes.

Where stays are made with enlarged ends and the body of the stay is smaller in diameter than at the bottom of the thread the working pressure shall be calculated from the second formula.

77. *Screw stays in water spaces.—Where the stays are not fitted with nuts, the ends shall be riveted over to form substantial heads.

78. Longitudinal stays.—Longitudinal and similar solid screwed stays shall be efficiently secured with nuts at each end and not merely riveted over. Where they are over 12 feet in length, they shall be supported at or near the middle of their length.

79. Jointed stays.—Where jointed longitudinal stays are fitted, they shall where practicable, be fitted with pins having an effiective sectional area 25 per cent. in excess of that of the stay. If the pins are slack in the holes, the total slackness shall not be more than 1/16 inch. The pins shall be as close as possible to the shoulder of the eye forging. The shoulder of the forging shall be at least $\frac{1}{2}$ inch wide all round, *i.e.*, the diameter at the shoulder shall be not less than the diameter of the hole plus 1 inch.

80. Diagonal bar or rod stays.—The sectional area of diagonal rod or bar stay shall bear the same proportion to that of a direct stay as the length of the diagonal stay bears to the length of the perpendicular line from the end of the diagonal stay to the surface supported. The ends of diagonal stays shall not be bent, but shall be attached to the plate with bevelled washers and nuts or with riveted tee blocks or angles and shackle pins (see regulation 79 for eyes and pins).

81. Stresses in steel jointed stays.—(*a*) The section of least strength whether of stay, rivets, shackle or pin shall be used in calculating the working pressure for the stay. For parts in tension a stress of 9,000 lbs. per square inch of net section shall be allowed, and for parts in shear a stress of 8,000 lbs. per square inch of net section.

(*b*) Parts in double shear shall be allowed a section of $1\frac{3}{4}$ times the single section.

82. Forged stays.—(*a*) No steel stays shall be welded. If plus threads are desired, the ends of the stay bars may be upset or the bars may be drawn down in the middle portions from bars originally of the size of the ends.

(*b*) Iron stays may be welded but the stress allowed on a welded stay shall not exceed 5,000 lbs. per square inch of net section.

(*c*) Stays which have been fireworked shall be annealed.

83. Stay nuts.—(*a*) Nuts to screw stays in combustion chambers and fireboxes shall not be less than $\frac{3}{4}$ inch thick for stays up to $1\frac{1}{2}$ inches diameter over threads, 7/8 inch thick for 1-5/8 and $1\frac{3}{4}$ inches stays, 1 inch thick for 1-7/8 and 2 inches stays, and 1-1/8 inch thick for stays over 2 inches in diameter.

(*b*) The nuts for longitudinal stays shall be not less than the thickness laid down in the British Engineering Standards Association Specification appropriate to the diameters of the stays, the outside nut having the thickness therein prescribed for ordinary nuts, and the inside nut having the thickness provided for lock nuts.

*NOTE.—It is desirable that the threads of short screw stays fitted between combustion chambers and fireboxes and outer parts of shell and end plates should be turned off between the parts fitting into the plates, and that the outer ends of the stays should have a hole about 3/16 in diameter drilled axially beyond the inner face of the outside plate to a distance equal to the thickness of the plate.

(c) The nuts shall be made of solid mild steel or of iron which shall be without weld if exposed to flame.

84. Stay tubes.—For stay tubes, whether of wrought iron or of solid drawn or lap-welded steel, the maximum working pressure shall be calculated from the following formula :—

$$W.P. = \frac{5900}{A} \left[\left(D - \frac{1 \cdot 28}{N}\right)^2 - D_1{}^2 \right] \quad . \quad . \quad . \quad \text{Eqn. (38)}$$

D is the diameter of the tube over threads in inches,

D_1 is the internal diameter of the tube under the threads in inches,

N is the number of threads of stay per inch,

A is the area in square inches supported by one stay tube, measured from centre to centre of stay tubes. When the area contains tubes or parts of tubes their aggregate area, calculated from their smallest external diameter of body when in tension and smallest internal diameter when in compression, shall be deducted from the area of the containing figure and the remainder used as A in the formula.

85. Screw Threads of stay tubes.—Stay tubes shall be screwed at both ends with continuous threads, and the holes in the tube plates shall be tapped with continuous threads. The pitch of the threads shall not be finer than 11 threads per inch. The stay tubes shall be expended by roller expanders and not made tight by caulking only.

86. Minimum thickness of stay tubes.—The minimum thickness of stay tubes in the body or at the ends under threads shall not be less than 5-32nds of an inch.

87. Thickened ends of stay tubes.—If stay tubes are required to have their thickness increased at the screwed ends so that the thickness at the bottom of the threads is approximately the same as in the body of the tube the thickening shall be attained by upsetting and not any welding process, and the tubes shall be annealed after the upsetting.

88. Stays in tension and compression.—(a) The same stress shall be allowed in compression as in tension. The strength of short stays in compression and not liable to bending may be calculated on the net section of the stay at bottom of thread or in body, whichever is less.

(b) The stress to be allowed on any stay or part of a stay not provided for in the foregoing shall be the same as that allowed for stays or parts of stays of approximately like kind in similar conditions.

89. Measurements of stayed areas in the end plates of locotype and vertical boilers.—When the areas supported by stays are semi-circular as in the upper parts of the end plates and smokebox tube plates of locotype boilers, or annular as in the crown plates of vertical type boilers. A the area to be supported by stays, shall, in the first case, be the area of the plate contained within the margins credited to casing or barrel sides, screw stays, fire door ring or tube stays as the case may be, and in the second case be the area of the annulus between the margins credited to uptake and shell. When bolt staying is necessary, the stays shall be properly distributed ; the aggregate stay section shall then be used in the formula for calculating the working pressure.

90. Gusset stays.—Gusset stays shall be attached to end and shell plates by double angles, not less in thickness than the gusset plates with properly spaced and formed rivets. The maximum working pressure for the stay when of ordinary form shall be calculated by the following formula :—

$$W.P. = \frac{8500 \times C}{A} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (39)}$$

C, the co-efficient, is the number representing the least of the following:—

(1) $N_1 \times A_1$.

(2) $N_2 \times A_2 \times 1 \cdot 75$.

(3) $N_3 \times A_3 \times 1 \cdot 75$.

(4) $N_4 \times A_4$

(5) $(G—N_2D_2) \times (t—2) \times \cdot 037$.

(6) $(G_1—D_3) \times (t—2) \times \cdot 037$.

N_1, N_2, N_3, N_4, D_1, D_2, D_3, D_4, and A_1, A_2, A_3, A_4, are respectively the numbers, diameters and sectional areas of the rivets in the joints of each gusset stay, the order of the joints being (1), angles to end plate, (2), end plate angles to gusset, (3), shell angles to gusset, and (4), angles to shell,

G is the depth in inches of gusset plate measured through the line of rivets attaching it to the end plate angles,

G_1 is the depth in inches of gusset plate measured normal to the slant edge of plate through the rivet nearest to the end plate in the joint attaching gusset plate to shell angles,

t is the thickness of the gusset plate in 32nds of an inch,

A is the area in inches of flat plate supported by the gusset stay which in the case of Lancashire and Cornish boilers, shall be determined as follows :—

(*i*) The margins allowed under flat plate regulations for shell and furnace shall be marked on end plates and the lengths of the centre lines of gussets between them measured, also the distance between each pair of gusset lines from the middle of the smaller in a direction normal to the greater. If L and L_1 be the lengths of two adjacent gusset lines and if the distance between them be W, the area contained by the gusset lines and the shell and furnace margin lines may be apportioned between the stays thus :—

$\frac{W(3L + L_1)}{8}$ = Portion of area in square inches

apportioned to L line gusset. . . . Eqn (40)

$\frac{W(3L_1 + L)}{8}$ = Portion of area in square inches

apportioned to L_1 line gusset . . . Eqn. (41)

(*ii*) The portion of the area on the other side of each gusset line shall except when of triangular form, be found in like manner and its amount added to that already found to form the total.

(*iii*) For the triangular portions in the wind spaces the area shall be taken as half the product of the length of gusset line into the perpendicular distance between it and the intersecting point where the marginal curves meet.

91. *Bolts and studs.—(*a*) Bolts and studs connecting parts of boilers such as shell, end plates, tube plates, furnaces, uptakes, externally fitted manhole covers, etc., may be made either of steel or good quality wrought iron. For bolts and studs of flanges connecting mountings to boilers see regulation 137.

(*b*) The maximum working pressure for the bolts or studs shall be calculated by the following formula :—

$$\text{W. P.} = \frac{N \times C}{A}\left(D - \frac{1{\cdot}28}{n}\right)^2 \quad . \quad . \quad . \quad . \quad \text{Eqn. (42)}$$

D is the diameter of bolt or stud over threads in inches,

N is the number of bolts or studs securing the part,

n is the number of threads of screw per inch,

C = 4700 for steel bolts or studs where the diameter over threads is less than ¾ inch,

C = 5600 for steel bolts or studs where the diameter over threads is not less than ¾ and not greater than 7/8 inch,

C = 7000 for steel bolts or studs where the diameter over threads is greater than 7/8 inch.

When the material is iron, a reduction of 15 per cent. shall be made in the working pressure as calculated by the formula.

A the area in square inches of the surface supported by the bolts or studs. For jointed flanges the area shall be taken to extend to midway between the pitch line of the bolts and the inner edge of the flange by which the part is secured.

FIREBOX AND COMBUSTION CHAMBER TOP SUPPORTS.

92. Girders supporting the tops of fireboxes and combustion chambers.—(*a*) For girders supporting the tops of fireboxes and combustion chambers the maximum working pressure shall be calculated from the appropriate one of the following two formulæ —

(*i*) Solid or split girders of rectangular section supported at ends only:—

$$\text{W. P.} = \frac{C \times t \times D^2 \times S}{(L - P) \times D_1 \times L} \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (43)}$$

(*ii*) Girders of I or other section supported at ends only :—

$$\text{W. P.} = \frac{C_1 \times S}{(L - P) \times D_1 \times L} \times \frac{I}{Y} \quad . \quad . \quad . \quad \text{Eqn. (44)}$$

t is the thickness of the girder at centre when a forging or casting, or the sum of the thicknesses of the plates where the girder is made of two plates, measured in 32nds, of an inch,

D is the least depth of the girder at or near the middle in inches,

L is the distance in inches between the end or side plates which support the girders measured in the direction of the girders,

P is the pitch of the stays supported by the girder in inches,

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*NOTE.—It is desirable that the threads should be in accordance with British Standard Whitworth screw threads as specified in Report No. 84 of June 1918.

It is also desirable that bolts or studs securing parts which are frequently removed should not be less than ¾″ in diameter.

D_1 is the distance apart of the girders, centre to centre in inches,

S is the minimum tensile breaking strength of the plates forming the girder in tons per square inch, or whatever is allowed for them,

I is the moment of inertia of section round neutral axis expressed in inches,

Y is the distance in inches of the farther edge of section from neutral axis,

$C = \frac{N}{N+1} \times 21$, where the number of stays in each girder is odd,

and $\frac{N+1}{N+2} \times 21$ where the number of stays in each girder is even,

N being the number of stays to each girder,

$C_1 = \frac{N}{N+1} \times 4030$ where the number of stays in each girder is odd

and $\frac{N+1}{N+2} \times 4030$ where the number of stays in each girder is even,

N being the number of stays to each girder.

(*b*) Where girders rest on end or side plates of fireboxes, etc., they shall be fitted and bedded directly to the edges and corners of the supporting plates.

(*c*) Where girders are supported in any other way than by the end or side plates of the firebox or combustion chamber the calculations for determining the working pressure shall be made in accordance with the actual conditions of support.

In such cases the length of the strip of firebox or combustion chamber top plate to be supported by the girder shall, subject to the limit imposed on the distance of the nearest stay, be taken as equal to the product of the number of bolts carried by the girder into the pitch of the bolts. A maximum nominal tress of 14,000 lbs. per square inch on girder section shall be allowed for steel.

(*d*) Slings, links, pins, rivets, and connections to shell of slung girders shall be sufficient to carry the whole load that would otherwise be carried by the girder, and each girder must be equally slung or supported. For stresses allowed on the sections see regulation 81.

(*e*) In the case of girders supported at the ends only by angle bars riveted to the casing crown, the length L may, when the girder extends over the full breadth of the angle face, be taken as the distance between the centres of the angle faces. When this distance does not exceed that of L in the formula, the pressure shall be determined in the ordinary way. The supporting angles and rivets shall be of sufficient section for the intended purpose. For stresses allowed on the sections see regulation 81.

93. *Design of girders generally.—In dealing with girders generally the following principles shall be observed :—

(*a*) each girder shall be of sufficient strength to support its share of the load on the roof plate independently of the roof plate ;

(*b*) the depth D and the thickness t to be used in calculation shall be respectively the effective depth and thickness at or near the middle of the length ; projections which do not add to the longitudinal strength shall be disregarded ;

*NOTE.—It is desirable that there should be a clear space of at least $1\frac{1}{4}''$ in height between the roof plates and the under side of the girder, to facilitate cleaning.

(c) girders shall be properly attached to the roof plate by bolts or screws.

94. Spacing of end stays—Allowance for curves, etc.—(a) For the tops of fireboxes and combustion chambers, the distance between the rows of stays nearest to the tube plate or firehole plate or back plate as the case may be, and the commencement of curvature of these plates at their flanges shall not be greater than A in the flat plate regulation.

(b) Where the tops are joined to the sides by curved portions, if the outer radius of the curved portion is less than half the allowable distance between the girders, the distance between the first girder and the inner surface of the side plate shall not exceed the allowable distance between the girders. If the radius of the curved portion is greater than half the allowable distance between the girders, the width of the flat portion measured from the centre of the girder shall not be more than half the allowable distance between the girders. The working pressure for the supporting bolts and for the plate between them shall be determined in the ordinary way.

95. Cambered firebox tops.—For Messrs. Marshall Sons and Company's patent stayless roof for fireboxes of locotype boilers made of steel in which the centre lines of the corrugations meet the centre lines of the end triveted seams at points not farther distant from the side plates than one half the inner radius of curvature of the corner formed by the roof and side plate, in order to ensure that the thickness and height of the pressed diagonal corrugations of the camber are satisfactory, the working pressure shall not exceed the smaller of the values obtained from the following formulæ :—

$$W.P. = \frac{25000\,(t-1) \times H^2}{W \times L \times \sqrt{W^2 + L^2}} \quad \text{Eqn. (45)}$$

$$W.P. = \frac{55\,(t-1)^2 \times (W + \sqrt{W^2 + L^2})^2}{W^2 \times L^2} \quad \text{Eqn. (46)}$$

t is the thickness of the proof plate in 32nds of an inch,

H is the height of the corrugation at its highest part measured perpendicularly on one side of the plate in inches,

W is the width of the roof plate between the flat of side plates at top less the inner radius of curvature of corner of roof and side plate in inches, *i.e.*, W+radius = internal width of firebox at top.

L is the length of the roof plate between centre lines of rivets in inches.

96. Corrugated firebox tops.—(a) For Messrs. Richard Garrett and Son's corrugated stayless roof for fireboxes of locotype boilers made of steel in which the side corrugations are parts of true circles and the radius of the middle corrugation is not more than about $\frac{1}{3}$th of the radius of the outer corrugations and the corrugations are cambered longitudinally, the working pressure shall not exceed the smaller of the values obtained from the following formulæ :—

$$W.P. = \frac{C}{R} \times \frac{(t-1)^2}{(L + 24)} \quad \text{Eqn. (47)}$$

$$W.P. = \frac{C_1}{R} \times [10\,(t-1) - L] \quad \text{Eqn. (48)}$$

t is the thickness of the corrugated plate in 32nds of an inch,

L is the length of the roof plate between centre lines of rivets in inches,

R is the external radius of the side corrugations at the middle of the length in inches,

C = 363 where the roof and side plates are in one piece and 325 where they are riveted,

C_1 = 12·5 where the roof and side plates are in one piece and 11·25 where they are riveted.

(*b*) (*i*) For Messrs. John Fowler and Company's (Leeds) corrugated roof for fireboxes of locotype boilers made of steel in which the crown of the roof is transversely curved and corrugated in the style of Fox's corrugated furnace and the roof plate, if not solid with the side plates of the firebox, is securely riveted thereto and to the flanges of the tube plate and firehole plate and there is a row of suitably sized and spaced screw stays below the commencement of corrugations on each side attaching the roof plate to the external casing, when the conditions hereunder are complied with the working pressure shall not exceed the smaller of the values obtained from the following formulæ :—

$$W.P. = \frac{C(t-3)}{R} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (47A)}$$

$$W.P. = \frac{C_1(t_1-1)}{W} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (48A)}$$

t is the thickness of roof plate before corrugations are formed, in 32nds of an inch,

t_1 is the thickness of side plates of firebox to which roof plate if attached in 32nds of an inch,

R is the radius of transverse curvature or camber of middle part of corrugation, measured from the bottom of corrugation on water side, in inches,

W is the width of firebox in inches measured over water sides of side plates at the seams attaching them to roof plate.

C = 240.

C_1 = 875.

(*ii*) The corrugations measured from top to bottom on one side, shall not be less than three times the thickness of the finished plate in depth and not more than 12 times the thickness of the finished plate apart.

(*iii*) The inner radius of corner at sides where corrugations merge into the flat sides shall be not less than 4 times the thickness of the finished plate.

(*iv*) The length of the plain parts at ends of roof between the centre lines of riveted seams and commencement of curvature of corrugations shall not exceed that allowed for flat plate margins under regulation 75.

TUBE PLATES.

97. Parts to be stayed.—(*a*) All flat tube plates, except those of locotype boilers and of other boilers in which the total gross area of surface occupied by tubes in any one plate, being the sum of one or more areas enclosed within lines touching the outsides of the outer rows of tubes does not exceed 7 square feet, shall be stayed within the nests of tubes except as provided in regulation 101.

(*b*) The parts of tube plates which lie outside the nests of tubes shall be stayed or supported wherever the size of the area of plate subject to steam pressure necessitates staying or support, either by marginal stay tubes or other means.

(*c*) Where stay tubes are required they shall be strong enough to support the load due to the steam pressure on the plate without taking account of any aid from the plain tubes contained in the areas.

(*d*) The stiffness of tube plates and pitch of stays within the nests of tubes where stay tubes are required and where marginal stay tubes are required in support of blank spaces adjacent to or between the nests shall be determined by flat plate rules under regulation 69.

The requirements for stay tubes are specified in regulations 84 to 88.

(*e*) Tube plates within the nests of tubes whether fitted with stay tubes or not shall comply with the requirements of regulation 98 in regard to thickness and cross section between tubes.

98. Minimum thickness and cross section.—To provide a secure attachment for plain tubes in the tube plates the thickness and cross section of the plate between the tube holes shall not be less than :—

Steel tube plate,

$\cdot 125D + \cdot 2$ = minimum thickness in inches . . Eqn. (49)

$\cdot 17\,D + \cdot 025$ = minimum cross section in square inches Eqn. (50)

Copper tube plate,

$\cdot 2D + \cdot 4$ = minimum thickness in inches . . . Eqn. (51)

$\cdot 527D - \cdot 263$ = minimum cross section in square inches Eqn. (52)

D is the diameter in inches of the tube at the part of attachment to tube plate.

99. Holding power of plain tubes.—(*a*) Where tube plates are not specially stayed in nests of tubes, the working pressure, based on the holding power of the tubes, shall not exceed that found by the following formula :—

$$\text{W. P.} = \frac{C \times D}{A} \qquad \text{Eqn. (53)}$$

D is the diameter of tube at the part of attachment to tube plate in inches,

A is the area in square inches of tube plate supported by each tube which generally may be taken as the product of the horizontal and vertical pitches of the tubes less the area of the tube itself,

C = 470 for tubes expanded into parallel holes in steel or iron tube plates,

C = 530 for tubes expanded into taper holes in steel or iron tube plates.

For copper tube plates or copper or brass tubes the appropriate co-efficient should be reduced 20 per cent.

Where the thickness and cross section of the tube plates are less than the minimum prescribed in regulation 98, the appropriate co-efficient shall be reduced in proportion to the deficit.

Where no stay tubes are fitted the tubes at the fire-box end shall be beaded over or bellmouthed.

(*b*) In the unstayed tube plates of locotype boilers and in other tube plates in which stay tubes are not required the support afforded by the plain tubes shall not be taken to extend beyond the lines enclosing the outer edges of the tubes. Parts of flat plate outside this line shall either lie in the plate margin or be separately supported. No account need be taken of the stiffness of tube plate in the nests of tubes when the above conditions are fulfilled.

Ordinarily the requirements of this clause are applicable only to expanded smoke and water tubes in flat continuous tube plates containing more than one row of tubes. See regulation 102 for attachment of tubes of water tube boilers.

100. Tube plates, other than ends, of vertical boilers forming parts of outer shell.—(*a*) When vertical boilers have a nest or nests of horizontal tubes so that there is direct tension on the tube plates due to the vertical load on the boiler ends, or to their acting as horizontal ties across the shell, the thickness of the tube plates and the spacing of the tubes shall be such that the section of metal taking the load is sufficient to keep the stress within that allowed on the shell plates.

(*b*) Each alternate tube in the outer vertical rows of tubes shall be a stay tube. The tube plates between the stay tubes shall be in accordance with the rules for tube plates and in addition, considered as part of shell, the maximum working pressure,—

$$W.\ P. = \frac{17 \cdot 24\ (t-2)-(P-D) \times S}{R \times P} \quad . \quad . \quad . \quad . \quad \text{Eqn. (54)}$$

t is the thickness of the tube plate in 32nds of an inch,

P is the vertical pitch of the tubes in inches,

D is the diameter of the tube holes in inches,

S is the minimum tensile breaking strength of the tube plates in tons per square inch, or whatever is allowed for them,

R is the radial distance of the centre of the outer row of tube holes from the axis of the shell in inches.

101. Curved tube plates of water tube boilers.—(*a*) For tube plates forming parts of cylindrical drums the maximum working pressure shall be :—

$$W.\ P. = \frac{33 \cdot 3\ (t-4) \times (P-D) \times S}{D_1 \times P} \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (55)}$$

t is the thickness of tube plate in 32nds of an inch,

P is the pitch of tubes in inches in lines parallel with the axis of drum,

D is the diameter of the tube holes in inches,

S is the minimum tensile breaking strength of the tube plate in tons per square inch, or whatever is allowed for it,

D_1 is the inside diameter of the drum in inches.

(*b*) Where the tube plates are reduced in thickness for the purpose of jointing either by lapping or by the fitting of butt straps or in order to receive the drum end flanges such reductions shall be gradual and be carefully machined to size.

102. Attachment of tubes of water tube boilers.—(*a*) All tubes shall be carefully drifted or roller expanded in the holes in the tube plates. They shall project through the neck or bearing part in the holes by at least a quarter of an inch and be secured from drawing out by being bellmouthed at each end to the extent of 1/32nd inch for each inch in diameter *plus* 2/32nds inch.

(*b*) The tube holes in the tube plates of drums, pockets or headers shall be formed in such a way that the tubes can be effectively tightened in them. Where the tube ends are not normal to the tube plates, there shall be a neck or belt of parallel seating of at least ½ inch in depth measured in a plane through the axis of the tube at the holes.

(*c*) The tubes shall be arranged so that there is sufficient accessibility for cleaning them both internally and externally.

103. Compression of tube plates.—(*a*) For fire-box or combustion chamber tube plates which are subject to compression due to the pressure on the roof plate, the maximum working pressure shall be :—

$$W.P. = \frac{C \times (P - D) \times t}{L \times P} \qquad \text{Eqn. (56)}$$

t is the thickness of the tube plate in 32nds of an inch.

P is the pitch of the tubes in inches, measured horizontally where the tubes are chain pitched, and diagonally where, the tubes are zigzag pitched and the diagonal pitch is less than the horizontal,

D is the internal diameter of the plain tubes in inches,

L is the internal length of the fire-box or combustion chamber in inches measured at top between tube plate and firehole plate or back plate, or between tube plates in double ended boilers with combustion chambers common to two opposite furnaces,

C=875 for steel and 437·5 for copper.

Provided that the above formula shall not apply in the case of fire-boxes where the girders do not rest on the tube plate, or where the roof plate is stayed direct to the outer shell or to girders supported by the shell.

(*b*) Where girders rest on the side plates or the roof plate is so formed that the load is carried both by side and end plates, in no case shall the compressive stress on the plates exceed 14,000 lbs. per square inch for steel or 7,000 lbs. per square inch for copper.

BOILER TUBES, HEADERS, ETC.

Boiler tubes (water) subject to internal pressure.

104. Steel tubes.—(*a*) All tubes, forming parts of boilers or of superheaters that are integral parts of boilers, which are subject to internal pressure of water or steam shall, except as provided by Regulation 105, be made of steel produced by an acid or basic open-hearth process.

(*b*) All such tubes shall be solid drawn and, except as provided in sub-regulation (*c*), shall be without joint.

(*c*) Superheater tubes, having an external diameter not exceeding two inches and a continuous length in excess of the normal manufacturing lengths for solid drawn tubing, may be jointed. Such joints may be flash-welded provided that the welding is done in a butt welding machine of a type approved by an inspecting officer and both the external and internal fins caused by welding are removed.

(*d*) The ultimate tensile breaking strength of the steel when in the billet or bar form shall not exceed 28 tons per square inch with an elongation of not less than 30 per cent. measured on Standard Test Piece F.

(*e*) All tubes prior to being fitted in place shall be subjected to hydraulic test to at least 4 times the working pressure of the boiler into which they are to be fitted. The test pressure shall not be less than 1,000 lbs. nor more than 1,500 lbs. per square inch.

(*f*) The maximum working pressure for the tubes shall be :—

$$W. P. = \frac{140\ (t-8)}{D} \qquad \text{Eqn. (57)}$$

t is the thickness of tube in 100ths of an inch,

D is the external diameter of the tube in inches.

No tube 1 inch or more in diameter shall be less than 11 S. W. G. (·116″) thick.

105. Copper tubes.—Copper tubes up to 1 inch in external diameter may be used for small boilers, such tubes shall not be less than 12 S. W. G. (·104″) thick.

106. Headers and section boxes of water tube boilers.—(*a*) Rectangular sectioned headers, superheater boxes and mud boxes of water tube boilers may be of solid drawn or welded steel, or of cast steel complying with the requirements of regulations 37 to 42.

(*b*) Each piece prior to being fitted in place shall be subjected to hydraulic test to double the working pressure of the boiler into which it is to be fitted.

(*c*) Where flat surfaces of headers or similar parts are unpierced for tubes the maximum working pressure for such parts shall be :—

$$W. P. = \frac{C\ (t-3)^2}{D^2} \qquad \text{Eqn. (58)}$$

t is the thickness of the flat part in 32nds of an inch,

D is the diameter of the flat surface between supports inside in inches measured from commencement of curvature of corner,

C=81 for wrought steel and 64 for cast steel.

Where the headers are corrugated or formed in such a way as to resist bulging or deformation arising from internal fluid pressure, the thickness generally may be as much as 3/32nds inch less than is required by the above formula but in no case shall it be less than 10/32nds inch, except that in small patches not exceeding half a square inch in area the thickness may be as low as 8/32nds inch.

(*d*) All headers exposed to radiation from the fire or to the impact of hot gases and which have only steam within them under working conditions, such as superheater boxes, shall be made of wrought steel and their thickness shall be 12·5 per cent. greater than that required by the above formula.

(*e*) The thickness of the headers at the tube holes shall not be less than—

$$3 \times \sqrt{D_1} + 8 = t \qquad \text{Eqn. (59)}$$

t is the thickness required in 32nds of an inch,

D_1 is the diameter of the hole in inches.

(*f*) Facings on headers for sighting doors shall be machined to give a true and fair face for the door to joint upon. The thickness where machined may be 3/32nds inch less than given by the above formula, but shall not be less than 10/32nds inch.

(*g*) (*i*) The sighting hole doors shall be substantial and capable of being removed and replaced from time to time without loss of efficiency or safety.

(*ii*) The bolts by which they are held in place shall be fitted to them in such a way as to satisfy the above conditions.

(*iii*) The doors shall be so designed that they will not blow out in the case of the breakage of the bolt or otherwise.

(*h*) All flanges shall have a fillet with a radius of curvature at least equal to the thickness of the necks to which they are attached.

Boiler Tubes (Smoke) Subject to External Pressure.

107. Steel and Wrought Iron Tubes.—(*a*) Both plain and stay smoke tubes may be made either of wrought iron or of mild steel lapwelded.

(*b*) The maximum working pressure for the tubes shall be :—

$$\text{W. P.} = \frac{100\,(t-6)}{D} \qquad \text{Eqn. (60)}$$

t is the thickness of the tubes in 100ths of an inch,

D is the external diameter of the tubes in inches.

(*c*) No tube shall be less than 12 S. W. G. (·104″) thick.

108. Brass and Copper Tubes.—The thickness of tapered brass and copper smoke tubes for locomotive boilers shall, in the case of tubes of an external diameter of $1\frac{1}{2}$ to 1-7/8 inches inclusive, be not less than 12 S. W. G. (·104 inch) at the smoke-box end and 10 S.W. G. (·128 inch) at the other ; and in the case of tubes of an external diameter of 2 to 2-3/8 inches inclusive, the thickness at the smoke box end shall not be less than 11 S. W. G. (·116 inch) and at the other end not less than 9 S. W. G. (·144 inch).

FURNACES.

109. Plain Furnaces of Horizontal Boilers.—For plain furnaces or furnaces strengthened by Adamson or other joints, and for the semi-cylindrical tops of fire-boxes and bottoms of combustion chambers where the sides are securely stayed the working pressure shall not exceed the smaller of the values obtained from the following formulæ,—

$$\text{W. P.} = \frac{C}{D} \times \frac{(t-1)^2}{(L+24)} \qquad \text{Eqn. (61)}$$

$$\text{W. P.} = \frac{C_1}{D} \times [10\,(t-1)-L] \qquad \text{Eqn. (62)}$$

D is the external diameter of the furnace or chamber top or bottom in inches,

t is the thickness of the furnace plate in 32nds of an inch,

L is the length of the furnace or other part in inches measured between points of substantial support, *i.e.*, centres of rows of rivets in end seams or commencement of curvature of flange, whichever is applicable.

C=1450 where the longitudinal seams of steel furnaces are welded and 1300 where they are riveted.

C=725 where the longitudinal seams of circular copper fire-boxes or furnaces are fitted with double butt straps and 650 where they are lapped.

C_1=50 where the longitudinal seams of steel furnaces are welded and 45 where they are riveted,

C_1=25 where the longitudinal seams of circular copper fire-boxes or furnaces are fitted with double butt straps and 22·5 where they are lapped.

110. Corrugated Furnaces of Horizontal Boilers.—The maximum working pressure to be allowed on corrugated furnaces shall be determined by the following formula,—

$$W. P. = \frac{C (t-1)}{D} \quad \text{Eqn. (63)}$$

D is the external diameter in inches measured at the bottom of the corrugations,

t is the thickness of the furnace plate in 32nds of an inch measured at the bottom of the corrugation or camber,

C=480 for the Fox, Morrison, Deighton, Purves, and other similar furnaces, and 510 for the Leeds Forge Bulb Suspension Furnace.

111. Plain Furnaces of Vertical Boilers.—The same formulæ as for the plain furnaces of horizontal boilers shall be used, but where the furnaces are tapered, the diameter to be taken for calculation purposes shall be the mean of that at the top and of that at the bottom where it meets the substantial support from flange or ring. The length for the same purpose shall be the distance from the centre of the row of rivets connecting the crown and the body of the furnace to the substantial support at the bottom of the furnace, or to a row of screwed stays connecting the furnace to the shell, provided that the pitch of stays at the furnace does not exceed 14 times the thickness of the furnace plate when the stays are riveted at their ends, or 16 times when the stays are fitted with nuts. Such screwed stays shall be in diameter over the threads not less than twice the thickness of the furnace place.

112. Hemispherical Furnaces of Vertical Boilers.—When furnaces are hemispherical in form and subject to pressure on the convex side and are without support from stays of any kind, the maximum working pressure shall be :—

$$W. P. = \frac{275 (t-1)}{R} \quad \text{Eqn. (64)}$$

t is the thickness of the top plate in 32nds of an inch,

R is the outer radius of curvature of the furnace in inches.

For the ogee ring which connects the bottom of the furnace to the shell and sustains the whole load on the furnace vertically :—

$$W. P. = \frac{140 (t-1)^2}{D (D-D_1)} \quad \text{Eqn. (65)}$$

t is the thickness of the ogee ring in 32nds of an inch,

D is the inside diameter of the boiler shell in inches,

D_1 is the outside diameter of the lower part of the furnace where it joins the ogee ring.

112-A. Corrugated Fireboxes of Vertical Boilers.—For the semi-spirally corrugated fireboxes of " Sentinel " standard motor wagon boilers the working pressure shall be determined by the following formula :—

$$W.\ P. = \frac{C\ (t-1)}{D} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (65-A)}$$

t is the thickness of the firebox plate in 32nds of an inch,

D is the mean of the external diameters of firebox measured over the plain part at each end at commencement of curvature of flange,

C=390.

112-B. Foundations of Vertical Boiler Furnaces.—Where circular furnaces or fireboxes of vertical boilers are not connected to the shell crown by uptake tube, smoke tubes or bolt stays and the whole load on the firebox vertically is borne by the bottom part of the firebox where it is connected to the shell the working pressure for the part, if firebox is joggled out to meet the shell or if an ogee or Z angle ring is fitted, shall not exceed that found by the following formula :—

$$W.\ P. = \frac{C\ (t-1)^2}{D\ (D-D_1)} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (65-B)}$$

t is the thickness of the joggled firebox plate, ogee ring or angle ring in 32nds of an inch,

D is the inside diameter of the boiler shell in inches,

D_1 is the outside diameter of the joggled firebox at the commencement of curvature above joggled part or the outside diameter of the firebox where it joins the ogee ring or angle ring,

C=140 for joggled firebox or ogee ring.

C=80 for Z angle ring.

112-C. Foundations of Loco-type Boiler Fireboxes.—Where the fire-box roof in loco-type boilers is not stayed direct to the external casing crown or to girders carried by the casing or is not connected to the casing by slings in accordance with regulation 92 (*d*) and the whole load on the firebox vertically is borne by the bottom parts of the firebox where connected to the external casing the working pressure for the parts, if plates are joggled out to meet the casing or if an ogee or Z angle ring is fitted, shall not exceed that found by the following formula :—

$$W.\ P. = \frac{C(t-1)^2 \times (L+W)}{L \times W\ (W-W_1)} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (65-C)}$$

t is the thickness of the joggled firebox side plates or fire hole plate (whichever is less), ogee ring or angle ring in 32nds of an inch,

L is the length of firebox casing in inches measured between the water sides of front end plate and saddle plate at the foundation seam,

W is the width of firebox casing in inches measured between the water sides of casing side plates at the foundation seam,

W_1 is the width of firebox in inches measured between the water sides of firebox side plates at the commencement of curvature above joggled part or where it joins the ogee ring or angle ring,

C=70 for joggled plates or ogee ring,

C=40 for Z angle ring.

Where only a comparatively narrow strip of the firebox roof is stayed directly to the casing crown the area so stayed shall be deducted from the area represented by L × W in the bottom line of the formula thus, [L × W—A] ($W—W_1$) and so used in Equation (65 C) in determining the working pressure for the parts, " A " being the area in square inches of the part of roof supported by the casing crown.

113. Furnaces in general.—(*a*) No furnace or firebox top, whether plain or corrugated, shall exceed 26/32nds inch in thickness, and all circular sectioned furnaces when new shall be as near the truly circular form as the type of joint will permit.

(*b*) For new furnaces of circular section a difference of not more than the thickness of the plate in the cross dimensions of any one section shall be allowed. Rivet holes shall be drilled as in the case of shells.

(*c*) Where cross tubes are fitted they shall not be welded to the furnace tube. The longitudinal seams of cross tubes may be welded; the weld shall not be exposed to the direct impact of flame. No allowance shall be made for cross tubes in calculating the strength of the furnaces in which they are fitted.

114. Uptakes of Vertical Boilers.—(*a*) The working pressure for uptake, tubes of vertical boilers shall be determined by the formulæ for plain furnaces, but only half the least pressure so found is to be allowed for uptake tubes.

(*b*) When crown plates of vertical boilers are not fitted with smoke tubes, the uptake tubes in their capacity as stays shall be strong enough to satisfy the following rule :—

$$W.\ P. = \frac{A \times S}{A_1} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (66)}$$

A is the area of net section of tube or of rivets or bolts connecting uptake to furnace or shell crown plates in square inches, whichever is less,

A_1 is the area in square inches of the annular surface around the uptake tube which, when no bolt or other stays are fitted, may be taken as extending to midway between inside of shell and waterside of uptake, but for flat plates in no case beyond what would be allowed for margins under the regulations applicable to flat plates. Where bolt stays are fitted, the surface to be supported by the uptake may be taken as that within the inner circle of the annulus supported by the stays,

S is the stress allowed per square inch of net section of material which for the tube itself, may be 6,000 lbs. and for rivets 7,000 lbs. in either shear or tension.

(*c*) These requirements apply equally either to flat or dished crown plates.

Manholes, Doors and Stand Blocks.

115. Means for Examination and Cleaning.—Wherever the size of the boiler permits, there shall be means for ingress whereby examination and cleaning of the inner surfaces of plates and tubes exposed to flame may be thoroughly effected. When boilers are too small to permit of this, and the construction is such that they cannot readily be taken apart, there shall be manholes and sightholes sufficiently large and numerous to permit of the inside being satisfactorily cleaned.

116. Manholes and Sightholes in Vertical Boilers.—Where large cross tubes are fitted there shall be a sighthole in the shell opposite at least one end of each tube sufficiently large to admit of the examination and cleaning thereof. The doors of such sightholes shall be in positions accessible for that purpose. In addition to the cross tube sightholes there shall be at least three mudholes round the base of the boiler.

117. Manholes, Mudholes and Sightholes in Locomotive Type Boilers.—Wherever the size of the boiler permits there shall be a manhole in the barrel. Barrels of 3 feet and upwards in diameter shall have a manhole not less than 14 inches by 10 inches in the clear. Barrels between 2 feet and 3 feet in internal diameter shall have a manhole not less than 13 inches by 10 inches in the clear. Barrels below 2 feet in internal diameter shall have either a manhole or a sighthole as large as practicable. The opening shall not be less than 9 inches by 6 inches. There shall also be a sighthole or handhole at the bottom of each corner of the fire-boxcasing. Wherever practicable the holes shall be in the rounded corner and shall be oval in shape with the major axis vertical. The holes shall not be less than 3½ inches by 2½ inches in the clear, wherever the size of the boiler permits.

118. *Elliptical Manholes.—In all large boilers the manholes in cylindrical shells shall have their shorter axes arranged longitudinally but in the barrels of locotype boilers the axes may be arranged either way.

119. †Mudholes and Sightholes.—In all cases in which the covers are internally fitted, mudholes and sightholes shall be elliptical in shape.

120. Compensation Rings to Manholes.—(*a*) Compensation shall be provided in every case for the part cut out of a cylindrical shell for a manhole. The strength of the net section of compensating ring and of the rivets securing it to shell compared with that of the part of shell cut out shall not be less than the strength of the longitudinal seams.

The spacing of the rivets shall be such as not to reduce the strength of the shell plate below that of the longitudinal seams.

(*b*) The percentage of compensating section shall be determined by the following formulæ :—

$$\frac{200\,(W-D)\times Tr}{(L+2D)\times Ts} = \text{percentage strength of compensating section} \qquad \text{Eqn. (67)}$$

$$\frac{80\times A\times N}{(L+2D)\times Ts} = \text{percentage strength of rivet section} \qquad \text{Eqn. (68)}$$

W is the width of compensation ring in inches measured in the direction of the longitudinal axis of the boiler,

L is the length of opening in shell in inches measured in the direction of the longitudinal axis of the boiler,

D is the diameter of rivet holes in inches,

Tr is the thickness of compensation ring in inches,

Ts is the thickness of shell plate in inches,

A is the area of one rivet hole in inches,

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* NOTE.—Manholes should be made true ellipses, the standard sizes being 16″ × 12″, 15″ × 11″ and 14″ × 10″ in the clear.

† NOTE.—Standard sizes of mudholes and sightholes are 9″ × 6″, 7″ × 5″, 5″ × 3½″ and 3½″ × 2½″.

N is the number of rivets on one side of the longitudinal line. When the rivets are in double shear twice the single rivet section may be allowed.

Parts of raised manhole mouthpieces within four inches of the shell may in addition to the ring, be included in the compensating section.

120-A. Compensation for Cutting Large Holes in Shells.—Where holes are cut in cylindrical shells for mountings, the diameter of the holes being greater than $2\frac{1}{2}$ times the thickness of the shell plate *plus* $2\frac{3}{4}$ inches, compensation shall be fitted as in the case of manholes. Where ordinary sized steel stand blocks or pad pieces are fitted and are securely riveted to the shell, no additional compensation for the hole cut in the shell shall be required. If however, the net section of the stand block or pad within four inches of the shell is less than the section of the shell plate cut away a compensation ring shall be fitted. Where a large opening is cut in a cylindrical shell to receive another part of the structure, the sides where cut away shall be efficiently cross stayed or strengthened in some other effective manner.

121. Manholes and Mudholes in Flat Plates.—Where a flat plate is flanged to stiffen it at a manhole or sighthole, to permit the same working pressure as would be allowed upon an unpierced plate, the depth of the flange measured from the outer surface shall be at least equal to—

$$\sqrt{T \times W} = \text{depth of flange in inches} \quad . \quad . \quad . \quad \text{Eqn. (69)}$$

where T is the thickness of the plate in inches, and

W is the minor axis of the hole in inches.

122. Stand Blocks and Pads.—Stand blocks and pad pieces for carrying mountings, shall be of cast steel, wrought iron or mild steel, either pressed or welded, and of substantial proportions. They shall be carefully bedded on the shell and the riveting shall be pitched to ensure a tight joint. The jointing faces to which the mountings are to be bolted shall be machined and shall be level when the boiler is in its working position.

123. Doors, Mouthpieces and Cross Bars.—(*a*) All internally fitted doors of manholes, mudholes and sightholes, shall be of wrought iron or steel built up or pressed to shape and annealed, or made from one thickness of plate with a machined recess for the jointing material. Their spigot part or the recess shall not have a greater clearance than 1/16th inch all round, *i.e.*, the axes shall not be less than 1/8th inch smaller than the holes in which they are fitted.

(*b*) The studs or bolts of large doors shall be screwed through the plates. In the case of small doors the studs may be forged solid with the doors or, if screwed, be efficiently riveted to the doors.

(*c*) Covers of raised circular manhole mouthpieces of Lancashire type boilers and others shall be of mild steel; whether dished or flat, the cover at its thinnest part shall not be of less thickness than would be required under regulation 73 for the intended pressure in the case of a flat plate. The bolts or studs securing the cover to the frame or mouthpiece shall also satisfy the requirements of regulation 91.

(*d*) Manhole mouthpieces for cylindrical shells and end plates shall be made of steel or wrought iron either pressed out of the solid or welded. Circular manhole mouthpieces of Lancashire type boilers, shall not be less than 16 inches in internal diameter and $\frac{3}{4}$ inch in thickness, and when welded the position of the weld shall be at right angles to the longitudinal lines. Cross bars shall be of substantial proportions and either solid forgings of steel or iron or of cast steel.

Boiler Mountings and Fittings.

124. * The Requisite Mountings and Fittings.—Every boiler shall be fitted with the following :—

Two safety valves ;

Two independent means of indicating the water level ;

A steam pressure gauge ;

A steam stop valve ;

A feed check valve ;

A blow down cock or valve ;

An attachment for Inspector's test gauge ;

A manhole, where the size and construction permit, and such mud-holes or sightholes as are necessary for effectively cleaning the boiler.

125. Safety Valves.—(*a*) Safety valves shall not be less than 1 inch in diameter except in the case of very small boilers, for which valves of ¾ inch diameter are permitted.

(*b*) The minimum aggregate area of safety valves of ordinary type in each boiler, whether coal, fired or oil fired, and whether working under natural forced or induced draught, shall be found by the following formula :—

$$A = H.\ S. \times \frac{C}{(W.\ P. + 15)} \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (70)}$$

A is the aggregate area of safety valves in square inches,

H. S. is the total heating surface of the boiler in square feet,

(See Part II, Chapter I, regulation 157.)

W. P. is the working pressure in lbs. per square inch,

$C = 1{\cdot}25$ for coal fired boilers and $1{\cdot}5$ for oil fired boilers other than water tube,

$C = 1{\cdot}1$ for coal fired water tube boilers and $1{\cdot}25$ for oil fired water tube boilers.

(*c*) All the safety valves of a boiler may be fitted in one chest, but such chest shall be separate from any other valve chest, and shall be connected direct to the boiler or stand block or pad by a strong and stiff neck, the passage through which shall have a cross sectional area at least equal to one half the aggregate area of the safety valves in the chest ;

Provided that the safety valves of small locomotive type boilers with overhead engines may, if the limitations of space so require, be attached to the engine cylinder casting, but in that case there shall be a clear short passage way of ample sectional area and structional strength between the valves and the boiler.

(*d*) The openings in the boiler shell for safety valves shall be left clear and uncovered on the inside and shall not be connected to an internal pipe of any description.

* NOTE.—It is recommended that in Lancashire and Cornish boilers one of the safety valves should be of high-steam and low-water type, and that all land boilers, of ordinary type should have a fusible plug in each furnace. Ramsbottom type safety valves consisting of two valves with a spring and lever in common may be considered as two safety valves for the purpose of this regulation.

(e) Each safety valve shall be capable of being lifted a distance equal to at least one-fourth of its effective diameter and there shall be a free outlet for the waste steam.

(f) Where a waste steam pipe is fitted, the pipe and the passages leading to it shall have a cross sectional area not less in square inches than the minimum combined areas of the safety valves required under sub-regulation (b)

(g) For each large enclosed safety valve chest a means of draining shall be provided, and the drain pipe shall be led clear of the boiler.

(h) Means shall be provided in every case to prevent the valves being lifted out of their seats when working. Seats of valves exceeding $2\frac{1}{2}$ inches in diameter shall be secured by studs and nuts.

(i) In the case of lever valves, if the holes in the lever are not bushed with brass, the pins shall be of brass; iron and iron working together shall not be permitted.

(j) The weight of a lever and weight safety valve shall be in one piece and be secured at the end of the lever against a change of position. In the case of spring loaded safety valves, washers or ferrules shall be fitted under the adjusting screws so that the valves cannot be overloaded when under steam.

(k) Safety valves shall be accessible and so arranged that they can be eased off their seats at any time. In the case of dead weight and spring loaded safety valves a substantial test lever for the purpose shall be provided.

(l) The size of the steel of which the springs of direct loaded safety valves are made shall be found by the following formula :—

$$\sqrt[3]{\frac{L \times D}{C}} = \text{thickness of wire in inches} \quad . \quad . \quad . \quad \text{Eqn. (71)}$$

L is the load on the spring in pounds,

D is the diameter of the spring from centre to centre of wire in inches,

C = 8,000 for round steel and 11,000 for square steel.

The steel wire of which springs of direct spring loaded safety valves are made shall not be less than 3/16 inch in diameter or side of square.

(m) The springs shall have a sufficient number of coils with a range of compression equal to at least one-half of the diameter of the valve. When loaded to the working pressure the amount of compression shall not be less than one quarter of the diameter of the valve.

(n) The number of coils required in a spring to obtain a given compression or the compression due to the load on the spring may be ascertained approximately by the following formulæ :—

$$N = \frac{K \times C \times d^4}{L \times D^3}$$

$$K = \frac{L \times D^3 \times N}{C \times d^4}$$

N is the number of free coils in spring,

K is the compression of spring in inches,

d is the diameter of round or side of square steel of which spring is made, in 16ths of an inch,

D is the diameter of spring from centre to centre of wire in inches,

L is the load on the spring in pounds,

C = 22 for round and 30 for square sectional springs.

126. Water gauges.—(*a*) Every boiler shall have two means of indicating the water level in it, and have marked on it, when applicable, in a contiguous position easily seen, the level of the highest part of the furnaces, fire-box, or combustion chamber as the case may be.

(*b*) * All large boilers shall be fitted with two glass water gauges. For small boilers where there is difficulty in fitting two glass water gauges, two test cocks may be fitted in place of the second glass water gauge.

(*c*) The lowest visible part of the glass of the water gauge and lower, test cock shall be fixed at a safe working level. For locomotive type and vertical boilers this shall not be less than 2 inches above the highest part of the firebox roof plate.

(*d*) Glass water gauges shall be so placed as to be easily seen and reached by the boiler attendant. The fittings of glass water gauges and test cocks shall be of substantial make with large passage ways through them, and so constructed that an instrument can be passed through the opening. The gauge cocks when open shall have their handles in a vertical direction and each handle at its junction with the plug shall be plainly marked with a deep line to indicate the direction of the passage way through the plug. A drain cock and pipe shall be fitted to each glass water gauge. A guard to prevent injury to the attendant and a pointer to show the ordinary working water level shall also be fitted to each glass water gauge.

127. Steam pressure gauge.—Each boiler shall have a separate steam pressure gauge placed where it can be easily seen. It shall be marked in pounds per square inch and shall have a range of not less than double the working pressure of the boiler. A red line shall mark the working pressure and a syphon pipe shall be fitted between the pressure gauge and the boiler.

128. Steam stop valve.—(*a*) A steam stop valve shall be fitted between the boiler and the steam pipe and, except in the case in which a superheater forms an integral part of the boiler itself (*e.g.*, in the Babcock and Wilcox water tube boiler) between the boiler and the superheater. Where two or more boilers are connected with a steam receiver or any other vessel, a steam stop valve shall be fitted between the boiler and such receiver or vessel.

(*b*) Steam stop valves shall be attached direct to the boiler shell or to suitable pads or stand blocks riveted to the shell, and the neck of the valve chest shall be reasonably short and of strong construction ; Provided that in the case of a large boiler in which it is proposed for the purpose of drainage or owing to obstruction, to connect the steam pipes to the steam stop valve at a higher level than would be obtained under this regulation, a vertical stand pipe not exceeding 5 diameters in height will be permitted between the stop valve and the boiler. Such stand pipes shall be of strong construction, and of wrought iron, mild steel, or cast steel. The flanges of wrought iron or mild steel pipes shall be riveted to the pipes, and there shall be no branch on the stand pipe for any other connection.

Provided also that in the case of a large boiler in which it is desired to fit a tee piece for the purpose of providing a branch connection between the stop-valve and the boiler, such a tee piece may be so fitted. The tee piece shall be of strong construction of wrought iron, mild steel, or cast steel and shall not exceed $2\frac{1}{2}''$ diameters in height. A stop valve shall be fitted direct to each tee piece branch.

*NOTE.—Vertical and Cornish type boilers not exceeding 3 feet in internal diameter of shell may be considered as small boilers for the purpose of this sub-regulation.

129. Feed check valves.—The feed check valve shall be attached direct to the boiler or to a suitable pad and be of combined non-return and shut-down type. The valve opening in boiler or end of internal feed pipe shall be above the low-water level and below the working level.

130. Blow down cock or valve and pipes.—(*a*) The blow-down cock or valve shall be of substantial construction. The waste pipe attached to the cock or valve shall not be connected to a pipe common to another boiler. The pipe shall not be bound fast in earth or brick-work.

(*b*) (*i*) For locomotive type, vertical and marine type boilers the cock or valve shall be attached direct to the boiler or to a suitable pad or stand block. For water tube boilers the cock or valve shall be outside the brick-work with a substantial steel pipe between it and the mudbox.

(*ii*)* For Cornish and Lancashire boilers the cock or valve may be attached to a cast steel elbow pipe of substantial section bolted to a suitable stand block riveted to the boiler. But cast iron elbow pipes shall not be permitted.

131. Inspector's pressure gauge attachment.—(*a*) Every boiler shall be fitted with a valve or cock carrying in a vertical position, a receiving screw for the attachment of the Inspector's pressure gauge.

(*b*) Except when the valve or cock forms part of the pipe carrying the boiler pressure gauge, it shall be attached to the top of the shell near the pressure gauge.

(*c*) The receiving socket shall be tapped ¾ inch British Standard Whitworth screw thread, and shall be fitted with an easily removable cap.

(*d*) In the case of small boilers which cannot be entered by an Inspector and which are hydraulically tested at each inspection a plug hole tapped 7/8 inch British Standard Whitworth screw thread shall be provided in a handy position for the attachment of the Inspector's test pump hose nipple.

132. Manholes, mudholes and sightholes.—See regulations 115 to 123.

133. Fusible plugs.—Plugs, where fitted, shall be over the hottest part of the furnace or firebox. The outside and inside of the plug shall be kept clean and the fusible metal shall be periodically renewed.

134. Design of boiler mountings.—All boiler-mounting valves over 2 inches diameter shall have outside screws, their covers shall be secured by bolts or studs, and all shall be arranged to be shut with a right hand motion of the wheels.

135. Material of valve chests.—Feed valve chests and all stop and safety valve chests when subjected to saturated steam only, for working pressures up to 160 lbs. per square inch may be made of cast iron, but such valve chests when subjected to superheated steam shall, whatever the working pressure, be of cast steel or other approved material.

136. Cocks and valves to be easily seen whether open or shut.—The construction of all important cocks and valves connected to the boiler shall be such as to show without difficulty whether they are open or shut.

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*NOTE.—It is recommended that the waste pipe attached to the cock or valve should not be connected to a pipe common to another boiler. It should not be bound fast in earth, brick-work, or other setting.

137. Studs and bolts securing mountings.—(*a*) When boiler mountings are secured by studs, the studs shall have a full thread holding in the plate for a length of at least one diameter. If the stud holes penetrate the whole thickness of the plate, the stud shall be screwed right through the plate and be riveted or fitted with a nut inside the boiler wherever the construction of the boiler permits.

(*b*) Where boiler mountings are secured by bolts, the bolts shall be screwed right through the plate with their heads inside the boiler.

138. Boilers mountings.—The chests of blow down cocks and valves, water gauge valves and cocks, and similar fittings, shall be made of good and suitable bronze; provided that the use of blow down cocks, valves and other mountings with chests of forged steel of a design approved by the Chief Inspector of Boilers and so fitted that ashes are not liable to cause corrosion to external surfaces may be permitted. All cocks used with boilers working at 100 lbs. pressure or above shall be asbestos packed and of substantial design and make.

139. Chests and parts of mountings and fittings.—Subject to the limitations of regulations 130, 135 and 138 the above mentioned chests and parts of mountings and fittings may be made of cast steel, cast iron, or bronze.

140. *Cast steel chests, etc.—(*a*) Steel-castings, when machined and steady for fitting in place, shall be subjected to a hydraulic test equal to twice the working pressure which they may have to bear.

(*b*) Steel-castings which will be subject to the action of feed water shall be made of steel of which the manganese content does not exceed ·8 per cent.

141. Chests, etc., in general.—All chests and fittings shall be smooth sound and free from flaws, cracks or other injurious defects. After completion they shall withstand satisfactorily a hydraulic test to at least twice the working pressure of the boiler for which they are intended.

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*NOTE.—Generally such steel castings should be made of a metal, the tensile breaking strength of which is not less than 28 or more than 35 tons per square inch with an elongation of 15 per cent. in 2 inches. When the castings are intricate, the tensile breaking strength may be higher, so long as the elongation is not less than 12½ per cent. in 2 inches.

In t e case of cast iron chests, etc., it is recommended that cast iron for boiler mountings and fittings exposed to pressures exceeding 75 lbs. per square inch should have a tensile breaking strength of not less than 9 tons per square inch and be subject to the following test :—

Bars 1½ inches square in section placed on knife-edged supports six inches apart shall withstand without fracture the impact of a 21 lb. weight dropped four times from a height of 15 inches.

In the case of bronze chests, etc., it is recommended that bronze for all mountings and fittings should be of the Admiralty composition, *viz*., cu. 87·5, Sn. 10, Zn. 2, and Pb. ·5, when subject to a temperature exceeding 350° Fahr. Other good bronzes may be used for mountings and fittings, if they are shown to be equally satisfactory. Such bronzes should have an ultimate tensile breaking strength of not less than 14 tons per square inch with an elongation of 10 per cent. in 2 inches when at a temperature of 550° Fahr. Good commercial bronze for general purposes should have a tensile breaking strength of not less than 14 tons per square inch with an elongation of 10 per cent. in 2 inches when at a temperature of 350° Fahr.

The working pressure and thickness of the chests or pipes shall be determined by the following formulæ :—

$$W.P. = \frac{C.(t-X)}{D} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (72)}$$

$$t = \frac{W.P. \times D}{C} + X \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (73)}$$

D is the internal diameter of the chest in inches,

t is the thickness of the chest in 32nds of an inch,

C is a co-efficient from the following table,

X is a provision for toleration, etc., from the following table.

TABLE OF VALUES OF C AND X.

Material of Casting.	C.	X.
Cast steel, 28/35 tons tensile strength	400	8
Cast iron, at least 9 tons tensile strength	160	6
Bronze, at least 14 tons tensile strength	175	4

STEAM PIPES AND FITTINGS.

142. Steam pipe may be of wrought iron, wrought steel, cast steel and in some cases of copper. The requirements for pipes and flanges are given below.

143. Copper Pipes.—(*a*) No pipe made from the electro-deposition of copper on a mandril shall be used for steam delivery. All copper pipes shall be properly annealed before putting in place. All copper steam pipes subject to a pressure over 75 lbs. per square inch shall be solid drawn.

(*b*) No steam pipe intended for a working pressure over 180 lbs. per square inch shall be made of copper when the internal diameter exceeds 5 inches. No copper pipe shall be used for superheated steam.

(*c*) All copper steam pipes on completion and prior to being fitted in place shall be subjected to hydraulic test to at least twice the working pressure.

(*d*) The working pressure of copper pipes shall be determined by the following formula :—

$$W.P. = \frac{C\,(t-3)}{D} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (74)}$$

D is the internal diameter of the pipe in inches,

t is the thickness of the pipe in 100ths of an inch,

C = 60 for solid drawn pipes,

C = 45 for brazed pipes.

(e) When copper pipes are bent, they shall be made thicker to provide for thinning at the bend. In no case shall the radius of curvature at the centre line of the pipe be less than twice the external diameter of the pipe.

144. Wrought Iron and Steel Pipes.—(a) These pipes may be solid drawn lap-welded or riveted.

(b) The process of welding the seams shall be by hammering or rolling the joint.

(c) On completion of any work which involves heating, whether for welding the joint, welding on flanges, hot bending the pipe, or for any other purpose, the pipe shall be carefully annealed.

(d) Mild steel for lap-welded steam pipes and tubes shall have a tensile breaking strength not exceeding 28 tons per square inch, with a minimum elongation of 25 per cent. on the standard test piece.

(e) All iron or steel steam pipes and tubes prior to being fitted in place shall be subjected to hydraulic test to at least 3 times the working pressure.

(f) The maximum working pressure allowed on pipes shall be determined by the following formulæ :—

(1) Solid drawn cold finished pipes (up to 28 tons tensile breaking strength).

$$\text{W. P.} = \frac{120\,(t-10)}{D} \quad \text{. . . . . . . Eqn. (75)}$$

(2) Solid drawn hot finished pipes (up to 28 tons tensile breaking strength).

$$\text{W. P.} = \frac{120\,(t-12)}{D} \quad \text{. . . . . . . Eqn. (76)}$$

(3) Welded pipes of iron or steel whether with or without covering strap.

$$\text{W. P.} = \frac{90\,(t-12)}{D} \quad \text{. . . . . . . Eqn. (77)}$$

(4) Pipes with riveted joints. (J being the strength of joint per cent. of the solid plate or strip).

$$\text{W. P.} = \frac{1{\cdot}2 \times J \times (t-9)}{D} \quad \text{. . . . . . Eqn. (78)}$$

(g) No wrought iron or steel steam pipe shall be less in thickness than :—

$$t = 5 \times \sqrt{D} + 2 \quad \text{. . . . . . . Eqn. (79)}$$

D is the internal diameter of the pipe in inches,

t is the thickness of the pipe in 100ths of an inch.

145. Cast Steel Pipes.—Pipes, bends, tee pieces, etc., of cast steel shall comply with the requirements of regulations 140 and 141. The working pressure and thickness shall be determined by the formulæ under regulation 141.

146. * Flanges of Copper Pipes.—Flanges of copper pipes may be made of the usual brass or bronze or of wrought iron or of wrought or cast steel.

147. Flanges of Iron and Steel Pipes.—Flanges of iron and steel pipes may be made of cast steel, wrought iron or wrought steel made without a weld. The pipes may be expanded by rollers into flanges having a series of recesses formed within them or they may be screwed into the flanges with a disappearing thread. Flanges may be riveted, when practicable, to pipes of any size. Loose flanges may be used where joint faces are formed by means of flanges integral with the ends of pipes, provided that (1) such loose flanges conform with the British Standard Institution's standards appropriate for the pressures concerned, (2) the joint faces extend inwards to the bores of pipes, (3) the integral flanges after machining are not of less thickness than that of the pipes, and (4) the steam pipes employed have the minimum thicknesses specified below, namely :—

Nominal size of pipe.	Minimum thickness of pipe.
Not more than 3½″	5 I. W. G.
More than 3½″ but not more than 6″	4 I. W. G.
More than 6″ but not more than 9″	¼″
More than 9″ but not more than 11″	5/16″
More than 11″ but not more than 16″	⅜″
More than 16″	½″

148. Welded and brazed flanges.—Flanges made of iron or steel may be welded by any suitable process to pipes made of wrought iron, ingot iron or tube steel, and if the flanges are made of iron or tube steel they may be welded to mild steel pipes. When flanges are attached to copper pipes by brazing or to iron or steel pipes by welding they shall also be secured in such additional way (*e.g.*, by riveting the ends or forming a conical end so as to fit into a conical bore in the flange) that the resistance to withdrawal from the flange does not depend wholly on the brazing or welding.

148-A. Steam pipe Fittings and Connections.—The fittings connected with main steam pipes included in the steam piping through which steam passes directly from a boiler to a prime mover or other first-user, exclusive of the boiler stop valve and engine or first-user stop valve, shall comply with the requirements specified below.

148-B. Superheaters not forming integral parts of Boilers.—(*a*) Rectangular sectioned headers, or steam boxes, and tubes of superheaters, shall be constructed in accordance with the requirements of regulations 106 and 104 respectively and on completion the superheater shall be subjected to hydraulic test to double the working pressure of the boiler to which it is to be attached.

(*b*) Where size permits a spring loaded safety valve of not less than 1¼ inches in diameter constructed in accordance with the requirements of regulation 125 shall be fitted to the steam box or header.

* NOTE.—It is desirable that the size and thickness of flanges and the number and size of their bolts should be as prescribed by the British Engineering Standards Association.

148-C. Steam Receivers, Separators, etc.—(*a*) The shells of steam receivers steam separators, steam driers, catch waters, drop legs, interceptors, etc. may be made of wrought iron, wrought steel or cast steel.

(*b*) (*i*) When made of wrought iron or wrought steel the shells shall comply with the requirements for boiler drums.

(*ii*) The working pressure for the parts shall be determined by the formulæ prescribed for corresponding parts of boilers and the hydraulic test pressure to which the vessel shall be subjected on completion shall be that prescribed for boilers.

(*iii*) When longitudinal seams of vessels over 15 inches in internal diameter are welded the seams shall be covered by butt straps.

(*iv*) For welded seams the standard co-efficient C of regulation 45 (*a*) to be used in determining the working pressure shall be 3·0 for both welded and welded and strapped seams. The strength percentage to be allowed for the weld shall be 50 and J., the strength percentage to be allowed for welded and strapped seams, shall be determined in accordance with regulation 57.

(*v*) No shell plate shall be less than ¼ inch in thickness.

(*vi*) The radius of curvature at the flange of flanged end plates shall not be less than 4 times the required thickness of the end plate.

(*vii*) Branches for attachment of steam piping shall be flanged and be either flanged and riveted or welded to the vessel.

(*c*) (*i*) Where made of cast steel the shells shall comply with the requirements of regulations 140 and 141.

(*ii*) The working pressure for flat end plates of cast steel shall be determined by the formulæ for flat end plates of wrought steel.

(*d*) Suitable arrangements for drainage shall be fitted to all vessels intended for use in the separation of condensed steam (in steam) piping. Where automatic drainage is not provided a glass water gauge of substantial make to indicate the water level in the vessel and a substantial drain cock or valve shall be fitted.

148-D. Valve Chests.—(*a*) Chests of stop valves, isolating valves, reducing valves, etc., forming parts of wrought iron or wrought steel main steam piping when for use with saturated steam upto a gauge pressure of 160 lbs. per square inch may be made of cast iron, cast steel or wrought steel in accordance with the requirements of regulation 141. When superheated steam is used or when pressures are above 160 lbs. per square inch, gauge, such chests, isolating valves, reducing valves, etc., shall be made of cast or wrought steel or other approved material in accordance with the requirements of regulations 140 and 141 for cast steel chests.

(*b*) When the main steam pipes are made of copper the valve chests abovementioned may be made of cast iron or steel, wrought steel or bronze or other approved material in accordance with the requirements of regulations 140 and 141.

148-E. Other fittings and mountings.—(*a*) No chest or flange or blank flange of cast iron shall be attached directly to main steam pipes or form part of main steam piping. Couplings or sockets may be used on pipes up to 4 in,

internal diameter with pressures up to 120 lbs. per square inch, gauge and up to 5 in. diameter with pressures up to 100 lbs. per square inch, gauge. In all other cases, flanges with bolts and nuts shall be used.

(*b*) Blank flanges shall be of mild steel or cast steel and shall be of substantial make and adequate thickness.

(*c*) Valve chests of bronze for stop valves up to 3 in. diameter of bore may be attached directly to iron and steel steam pipes when pressures do not exceed 120 lbs. per square inch, gauge, and when steam is saturated. The attachment* may be by direct screwing to the steam pipe or by means of flanges.

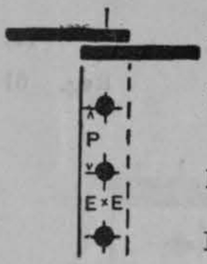
(*d*) Drain cocks and valves may be attached to steam pipes either by flange and bolts or be screwed into a boss formed on the pipe.

* NOTE.—Flanged joints are recommended.

Diagrams of Riveted Joints with Formulæ.

SINGLE RIVETED JOINTS.

FIG. 1. LAP JOINT. ONE RIVET PER PITCH.



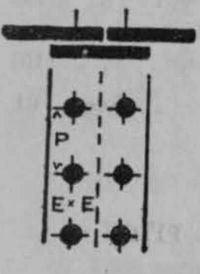
Max. Pitch $=1\cdot31\times T+1\cdot625$ . . . . . Eqn. (13)

Plate % $=\dfrac{100\,(P-D)}{P}$ . . „ (2)

Rivet % $=\dfrac{100\times A\times S_1}{P\times T\times S}$ . . . . . . „ (3)

E $=1\cdot5\times D$ . . . . Reg. 61

FIG. 2. SINGLE BUTT STRAP. ONE RIVET PER PITCH.



Max. Pitch $=1\cdot53\times T+1\cdot625$ . . . . . Eqn. (13)

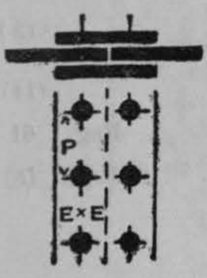
Plate % $=\dfrac{100\,(P-D)}{P}$ . . . . . . „ (2)

Rivet % $=\dfrac{10\times A\times S_1}{P\times T\times S}$ . . . . „ (3)

E $=1\cdot5\times D$ . . . . Reg. 61

BUTT STRAP $=1\cdot125\times T$ . . . . . Eqn. (5)

FIG. 3. DOUBLE BUTT STRAP. ONE RIVET PER PITCH.



Max. Pitch $=1\cdot75\times T+1\cdot625$ . . . . . Eqn. (13)

Plate % $=\dfrac{100\,(P-D)}{P}$ . . . . . „ (2)

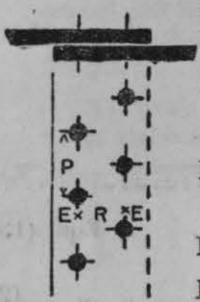
Rivet % $=\dfrac{100\times A\times 1\cdot875S_1}{P\times T\times S}$ . . . . . „ (3)

E $=1\cdot5\times D$ . . . . Reg. 61

BUTT STRAPS $=\cdot625\times T$ . . . . . Eqn. (7)

DOUBLE RIVETED JOINTS.

FIG. 4. LAP JOINT. TWO RIVETS PER PITCH.



Max. Pitch $=2 \cdot 62 \times T + 1 \cdot 625$ . . . Eqn. (13)

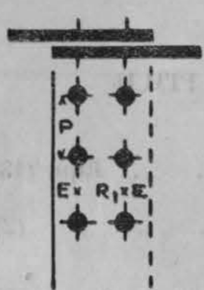
Plate % $= \frac{100\,(P-D)}{P}$ . . . . „ (2)

Rivet % $= \frac{100 \times A \times 2 \times S_1}{P \times T \times S}$ . . . . . „ (3)

R $= \cdot 33\,P + \cdot 67\,D$ . . . . „ (14)

E $= 1 \cdot 5 \times D$ . . . . . Reg. 61

FIG. 5. LAP JOINT. TWO RIVETS PER PITCH.



Max. Pitch $=2 \cdot 62 \times T + 1 \cdot 625$ . . . . Eqn. (13)

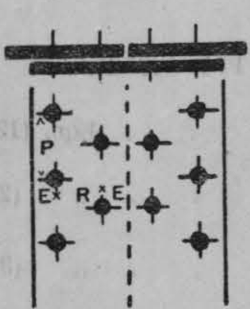
Plate % $= \frac{100\,(P-D)}{P}$ . . . . . . „ (2)

Rivet % $= \frac{100 \times A \times 2 \times S_1}{P \times T \times S}$ . . . . „ (3)

R_1 $= 2 \times D$ . . . . . . „ (15)

E $= 1 \cdot 5 \times D$ . . . . . . Reg. 61

FIG. 6. SINGLE BUTT STRAP. TWO RIVETS PER PITCH.



Max. Pitch $=3 \cdot 06 \times T + 1 \cdot 625$ . . . Eqn. (13)

Plate % $= \frac{100\,(P-D)}{P}$ . . . . . „ (2)

Rivet % $= \frac{100 \times A \times 2 \times S_1}{P \times T \times S}$ . . . „ (3)

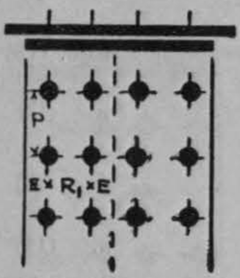
R $= \cdot 33\,P + \cdot 67\,D$ . . . . „ (14)

E $= 1 \cdot 5 \times D$ . . . . . Reg. 61

BUTT STRAP $= 1 \cdot 125 \times T$ . . . . Eqn. (5)

DOUBLE RIVETED JOINTS.

FIG. 7. SINGLE BUTT STRAP. TWO RIVETS PER PITCH.



Max. Pitch $=3{\cdot}06\times T+1{\cdot}625$ . . . Eqn. (13)

Plate % $=\dfrac{100\,(P-D)}{P}$ . . . . ,, (2)

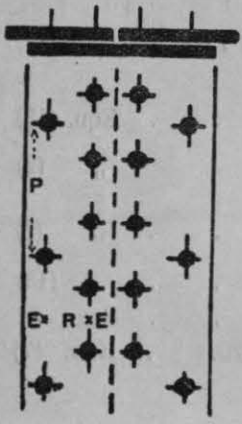
Rivet % $=\dfrac{100\times A\times 2\times S_1}{P\times T\times S}$ . . . ,, (3)

R_1 $=2\times D$ . . . . . ,, (15)

E $=1{\cdot}5\times D$ . . . . . Reg. 61

BUTT STRAP $=1{\cdot}125\times T$ . . . . Eqn. (5)

FIG. 8. SINGLE BUTT STRAP. THREE RIVETS PER PITCH.



Max. Pitch $=4{\cdot}05\times T+1{\cdot}625$ . . . Eqn. (13)

Plate % $=\dfrac{100\,(P-D)}{P}$ . . . . ,, (2)

Rivet % $=\dfrac{100\times A\times 3\times S_1}{P\times T\times S}$ . . . ,, (3)

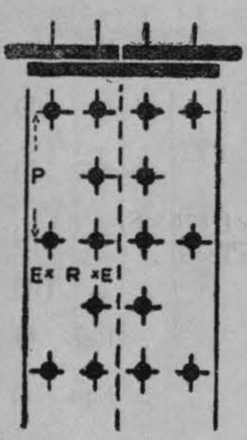
Combined % $=\dfrac{100\,(P-2\,D)}{P}+\dfrac{100\times A\times S_1}{P\times T\times S}$. ,, (4)

R $={\cdot}2\,P+1{\cdot}15\,D$ . . . . ,, (16)

E $=1{\cdot}5\times D$ . . . . . Reg. 61

BUTT STRAP $=1{\cdot}125\,T\times\dfrac{(P-D)}{(P-2\,D)}$ . . . Eqn. (6)

FIG. 9. SINGLE BUTT STRAP. THREE RIVETS PER PITCH.



Max. Pitch $=4{\cdot}05\times T+1{\cdot}625$ . . . Eqn. (13)

Plate % $=\dfrac{100\,(P-D)}{P}$ . . . . ,, (2)

Rivet % $=\dfrac{100\times A\times 3\times S_1}{P\times T\times S}$ . . . ,, (3)

Combined % $=\dfrac{100\,(P-2\,D)}{P}+\dfrac{100\times A\times S_1}{P\times T\times S}$. ,, (4)

R $={\cdot}33\,P+{\cdot}67\,D$ . . . . . ,, (14)

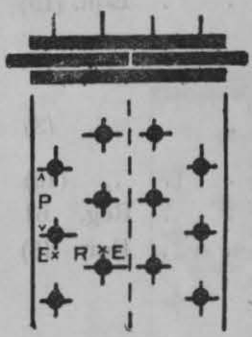
or $2\times D$ whichever is greater . ,, (15)

E $=1{\cdot}5\times D$ . . . . . Reg. 61

BUTT STRAP $=1{\cdot}125\,T\times\dfrac{(P-D)}{(P-2\,D)}$ . . . Eqn. (6)

DOUBLE RIVETED JOINTS.

FIG. 10. DOUBLE BUTT STRAP. TWO RIVETS PER PITCH.



Max. Pitch $=3\cdot5\times T+1\cdot625$ . . Eqn. (13)

Plate % $=\frac{100\,(P-D)}{P}$. ,, (2)

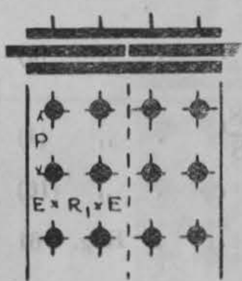
Rivet % $=\frac{100\times A\times 2\times 1\cdot875\times S_1}{P\times T\times S}$ . . ,, (3)

R $=\cdot33\,P+\cdot67\,D$. ,, (14)

E $=1\cdot5\times D$ . . Reg. 61

BUTT STRAPS $=\cdot625\times T$ . . . Eqn. (7)

FIG. 11. DOUBLE BUTT STRAPS. TWO RIVETS PER PITCH.



Max. Pitch $=3\cdot5\times T+1\cdot625$ . . . . Eqn. (13)

Plate % $=\frac{100\,(P-D)}{P}$ . . ,, (2)

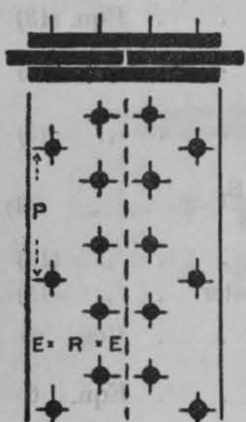
Rivet % $=\frac{100\times A\times 2\times 1\cdot875\times S_1}{P\times T\times S}$ . . ,, (3)

R_1 $=2\times D$ . . . ,, (15)

E $=1\cdot5\times D$ . . . . . Reg. 61

BUTT STRAPS $=\cdot625\times T$ . . . . . Eqn. (7)

FIG. 12. DOUBLE BUTT STRAPS. THREE RIVETS PER PITCH.



Max. Pitch $=4\cdot63\times T+1\cdot625$ . . Eqn. (13)

Plate % $=\frac{100\,(P-D)}{P}$ . . . . . ,, (2)

Rivet % $=\frac{100\times A\times 3\times 1\cdot875\times S_1}{P\times T\times S}$ . . ,, (3)

Combined % $=\frac{100\,(P-2\,D)}{P}+\frac{100\times A\times 1\cdot875\times S_1}{P\times T\times S}$,, (4)

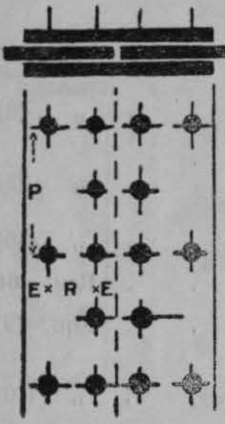
R $=\cdot2\,P+1\cdot15\,D$ . . . . ,, (16)

E $=1\cdot5\times D$ . . . . Reg. 61

BUTT STRAPS $=\cdot625\,T\times\frac{(P-D)}{(P-2\,D)}$ . . . Eqn. (8)

DOUBLE RIVETED JOINTS.

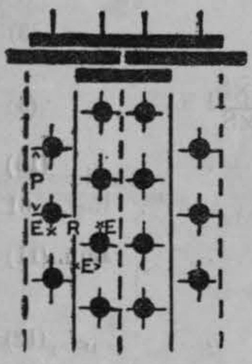
FIG. 13. DOUBLE BUTT STRAP. THREE RIVETS PER PITCH.



Max. Pitch	$=4\cdot63\times T+1\cdot625$	Eqn. (13)
Plate %	$=\dfrac{100\ (P-D)}{P}$	„ (2)
Rivet %	$=\dfrac{100\times A\times 3\times 1\cdot875\times S_1}{P\times T\times S}$	„ (3)
Combined %	$=\dfrac{100\ (P-2\ D)}{P}+\dfrac{100\times A\times 1\cdot875\times S_1}{P\times T\times S}$	„ (4)
R	$=\cdot33\ P+\cdot67\ D$	„ (14)
	or $2\times D$ whichever is greater	„ (15)
E	$=1\cdot5\times D$	Reg. 61
BUTT STRAPS	$=\cdot625\ T\times\dfrac{(P-D)}{(P-2\ D)}$	Eqn. (8)

FIG. 14. DOUBLE BUTT STRAPS OF UNEQUAL WIDTH

TWO RIVETS PER PITCH.

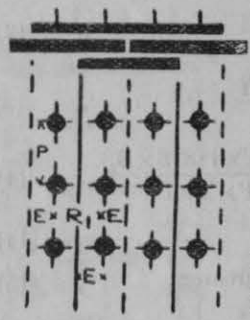


Max. Pitch	$=3\cdot5\times T+1\cdot625$	Eqn. (13)
Plate %	$=\dfrac{100\ (P-D)}{P}$	„ (2)
Rivet %	$=\dfrac{100\times A\times 2\cdot875\times S_1}{P\times T\times S}$	„ (3)
R	$=\cdot33\ P+\cdot67\ D$	„ (14)
E	$=1\cdot5\times D$	Reg. 61
BUTT STRAP (WIDE).	$=\cdot75\ T$	Eqn. (9)
BUTT STRAP (NARROW).	$=\cdot625\ T$	„ (10)

DOUBLE RIVETED JOINTS.

FIG. 15. DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

TWO RIVETS PER PITCH.



Max. Pitch $=3\cdot5\times T+1\cdot625$ . . . Eqn. (13)

Plate % $=\frac{100\,(P-D)}{P}$ . . . . „ (2)

Rivet % $=\frac{100\times A\times 2\cdot875\times S_1}{P\times T\times S}$ . . . . „ (3)

R_1 $=2\times D$ . . . . . „ (15)

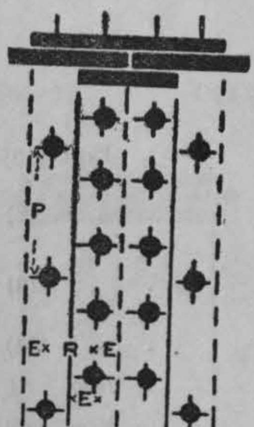
E $=1\cdot5\times D$ . . . . . Reg. 61

BUTT STRAP (WIDE). $=\cdot75$ T . . . . . Eqn. (9)

BUTT STRAP (NARROW). $=\cdot625$ T . . . . . „ (10)

FIG. 16.] DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

THREE RIVETS PER PITCH.



Max. Pitch $=4\cdot63\times T+1\cdot625$ . . . Eqn. (13)

Plate % $=\frac{100\,(P-D)}{P}$ . . . . . „ (2)

Rivet % $=\frac{100\times A\times 4\cdot75\times S_1}{P\times T\times S}$ . . . . „ (3)

Combined % $=\frac{100\,(P-2\,D)}{P}+\frac{100\times A\times S_1}{P\times T\times S}$ . . „ (4)

R $=\cdot2\,P+1\cdot15\,D$ . . . . . „ (16)

E $=1\cdot5\times D$ . . . . . Reg. 61

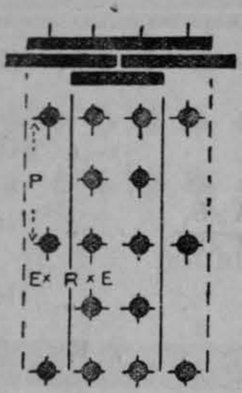
BUTT STRAP (WIDE). $=\cdot75\,T\times\frac{(P-D)}{(P-2\,D)}$ . . . Eqn. (11)

BUTT STRAP (NARROW). $=\cdot625\,T\times\frac{(P-D)}{(P-2\,D)}$ . . . . „ (12)

DOUBLE RIVETED JOINTS.

FIG. 17. DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

THREE RIVETS PER PITCH.



Max. Pitch $=4{\cdot}63\times T+1{\cdot}625$ . . . Eqn. (13)

Plate % $=\frac{100\,(P-D)}{P}$ . . . . ,, (2)

Rivet % $=\frac{100\times A\times 4{\cdot}75\times S_1}{P\times T\times S}$ . . . ,, (3)

Combined % $=\frac{100\,(P-2\,D)}{P}+\frac{100\times A\times S_1}{P\times T\times S}$. ,, (4)

R $=\cdot 33\,P+\cdot 67\,D$ . . . . ,, (14)

or $2\times D$ whichever is greater . ,, (15)

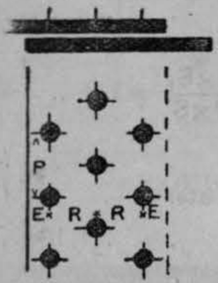
E $=1{\cdot}5\times D$ . . . . . Reg. 61

BUTT STRAP (WIDE). $=\cdot 75\,T\times\frac{(P-D)}{(P-2\,D)}$ . . . Eqn. (11)

BUTT STRAP (NARROW). $=\cdot 625\,T\times\frac{(P-D)}{(P-2\,D)}$ . . . ,, (12)

TREBLE RIVETED JOINTS.

FIG. 18. LAP JOINT. THREE RIVETS PER PITCH.



Max. Pitch $=3{\cdot}47\times T+1{\cdot}625$ . . . Eqn. (13)

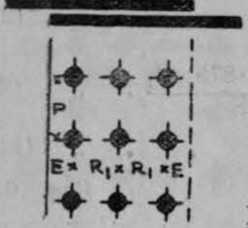
Plate % $=\frac{100\,(P-D)}{P}$ . . . . . ,, (2)

Rivet % $=\frac{100\times A\times 3\times S_1}{P\times T\times S}$ . . . ,, (3)

R $=\cdot 33\,P+\cdot 67\,D$ . . . . . ,, (14)

E $=1{\cdot}5\times D$ . . . . . Reg. 61

FIG. 19. LAP JOINT. THREE RIVETS PER PITCH.



Max. Pitch $=3{\cdot}47\times T+1{\cdot}625$ . . . Eqn. (13)

Plate % $=\frac{100\,(P-D)}{P}$ . . . . . . ,, (2)

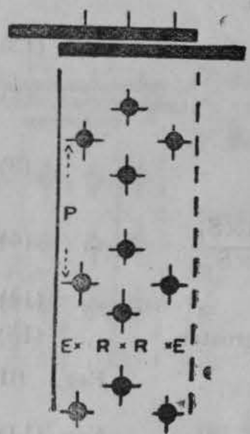
Rivet % $=\frac{100\times A\times 3\times S_1}{P\times T\times S}$ . . ,, (3)

R_1 $=2\times D$ . . . . . . ,, (15)

E $=1{\cdot}5\times D$ . . . . . Reg. 61

TREBLE RIVETED JOINTS.

FIG. 20. LAP JOINT. FOUR RIVETS PER PITCH.



Max. Pitch $=4\cdot14\times T+1\cdot625$ . . . Eqn. (13)

Plate % $=\dfrac{100\ (P-D)}{P}$ . . . „ (2)

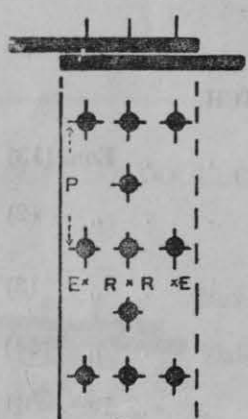
Rivet % $=\dfrac{100\times A\times 4\times S_1}{P\times T\times S}$ . . „ (3)

Combined % $=\dfrac{100\ (P-2\ D)}{P}+\dfrac{100\times A\times S_1}{P\times T\times S}$. „ (4)

R $=\cdot2\ P+1\cdot15\ D$ . . . . . „ (16)

E $=1\cdot5\times D$ . . . . . Reg. 61

FIG. 21. LAP JOINT. FOUR RIVETS PER PITCH.



Max. Pitch $=4\cdot14\times T+1\cdot625$ . . . Eqn. (13)

Plate % $=\dfrac{100\ (P-D)}{P}$ . . . . „ (2)

Rivet % $=\dfrac{100\times A\times 4\times S_1}{P\times T\times S}$ . . . „ (3)

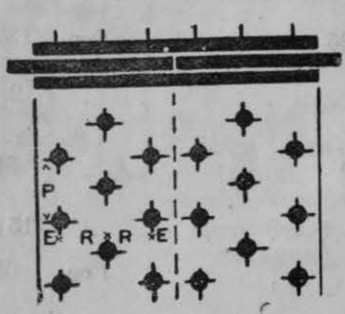
Combined % $=\dfrac{100\ (P-2\ D)}{P}+\dfrac{100\times A\times S_1}{P\times T\times S}$. „ (4)

R $=\cdot33\ P+\cdot67\ D$ . . . . . „ (14)

or 2 D whichever is greater . „ (15)

E $=1\cdot5\times D$ . . . . . Reg. 61

FIG. 22. DOUBLE BUTT STRAP. THREE RIVETS PER PITCH.



Max. Pitch $=4\cdot63\times T+1\cdot625$ . . Eqn. (13)

Plate % $=\dfrac{100\ (P-D)}{P}$ . . . „ (2)

Rivet % $=\dfrac{100\times A\times 3\times 1\cdot875\times S_1}{P\times T\times S}$. „ (3)

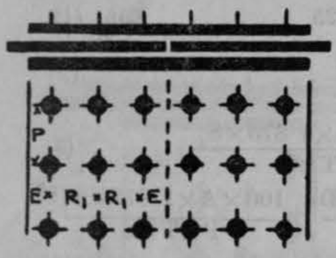
R $=\cdot33\ P+\cdot67\ D$ . . „ (14)

E $=1\cdot5\times D$ . . . . Reg. 61

BUTT STRAPS $=\cdot625\ T$. . . . Eqn. (7)

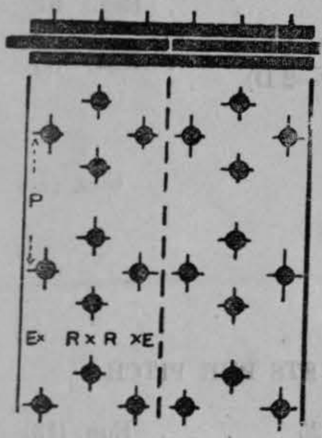
TREBLE RIVETED JOINTS.

FIG. 23. DOUBLE BUTT STRAP. THREE RIVETS PER PITCH.



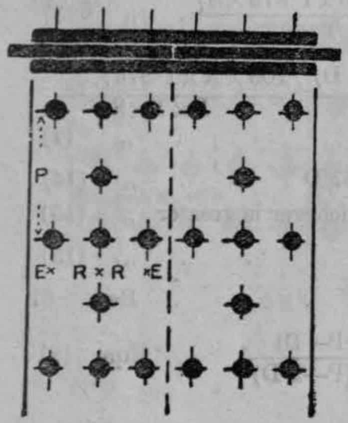
Max. Pitch	$=4\cdot63\times T+1\cdot625$	Eqn. (13)
Plate %	$=\dfrac{100\,(P-D)}{P}$	„ (2)
Rivet %	$=\dfrac{100\times A\times 3\times 1\cdot875\times S_1}{P\times T\times S}$	„ (3)
R_1	$=2\times D$	„ (15)
E	$=1\cdot5\times D$	Reg. 61
BUTT STRAPS	$=\cdot625\ T$	Eqn. (7)

FIG. 24. DOUBLE BUTT STRAP. FOUR RIVETS PER PITCH.



Max. Pitch	$=5\cdot52\times T+1\cdot625$	Eqn. (13)
Plate %	$=\dfrac{100\,(P-D)}{P}$	„ (2)
Rivet %	$=\dfrac{100\times A\times 4\times 1\cdot875\times S_1}{P\times T\times S}$	„ (3)
Combined %	$=\dfrac{100\,(P-2\,D)}{P}+\dfrac{100\times A\times 1\cdot875\times S_1}{P\times T\times S}$	„ (4)
R	$=\cdot2\,P+1\cdot15\,D$	„ (16)
E	$=1\cdot5\times D$	Reg. 61
BUTT STRAPS	$=\cdot625\ T$	Eqn. (7)

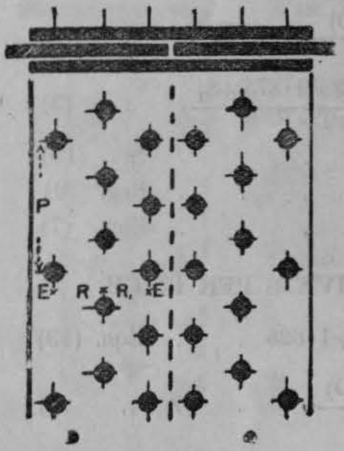
FIG. 25. DOUBLE BUTT STRAP. FOUR RIVETS PER PITCH.



Max. Pitch	$=5\cdot52\times T+1\cdot625$	Eqn. (13)
Plate %	$=\dfrac{100\,(P-D)}{P}$	„ (2)
Rivet %	$=\dfrac{100\times A\times 4\times 1\cdot875\times S_1}{P\times T\times S}$	„ (3)
Combined %	$=\dfrac{100\,(P-2\,D)}{P}+\dfrac{100\times A\times 1\cdot875\times S_1}{P\times T\times S}$	„ (4)
R	$=\cdot33\,P+\cdot67\,D$	„ (14)
	or 2 D whichever is greater	„ (15)
E	$=1\cdot5\times D$	Reg. 61
BUTT STRAPS	$=\cdot625\ T$	Eqn. (7)

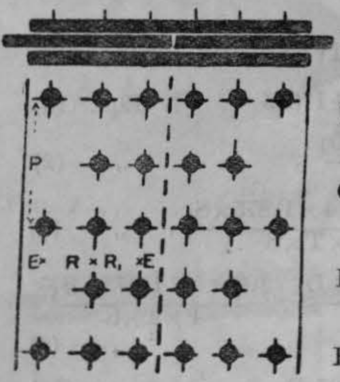
TREBLE RIVETED JOINTS.

FIG. 26. DOUBLE BUTT STRAP. FIVE RIVETS PER PITCH.



Max. Pitch $=6\times T+1\cdot625$	. .	Eqn. (13
Plate % $=\frac{100\,(P-D)}{P}$	. . .	,, (2)
Rivet % $=\frac{100\times A\times 5\times 1\cdot875\times S_1}{P\times T\times S}$	.	,, (3)
Combined % $=\frac{100\,(P-2\,D)}{P}+\frac{100\times A\times 1\cdot875\times S_1}{P\times T\times S}$	.	,, (4)
R $=\cdot2\,P+1\cdot15\,D$	. . .	,, (16)
R_1 $=\cdot165\,P+\cdot67\,D$	. .	,, (17)
E $=1\cdot5\times D$	. . . .	Reg. 61
BUTT STRAPS $=\cdot625\,T\times\frac{(P-D)}{(P-2\,D)}$	. .	Eqn. (8)

FIG. 27. DOUBLE BUTT STRAP. FIVE RIVETS PER PITCH.

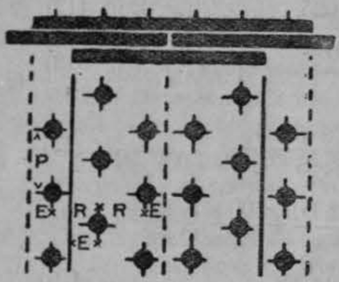


Max. Pitch $=6\times T+1\cdot625$	. .	Eqn. (13)
Plate % $=\frac{100\,(P-D)}{P}$	. .	,, (2)
Rivet % $=\frac{100\times A\times 5\times 1\cdot875\times S_1}{P\times T\times S}$	.	,, (3)
Combined % $=\frac{100\,(P-2\,D)}{P}+\frac{100\times A\times 1\cdot875\times S_1}{P\times T\times S}$	.	,, (4)
R $=\cdot33\,P+\cdot67\,D$	. . .	,, (14)
or 2 D whichever is greater		,, (15)
R_1 $=2\times D$	. . . . .	,, (15)
E $=1\cdot5\times D$	. . .	Reg. 61
BUTT STRAPS $=\cdot625\,T\times\frac{(P-D)}{(P-2\,D)}$	. .	Eqn. (8)

TREBLE RIVETED JOINTS.

DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

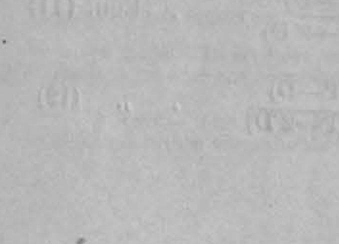
FIG. 28. THREE RIVETS PER PITCH.



Max. Pitch	$=4\cdot63\times T+1\cdot625$	Eqn.	(13)
Plate %	$=\frac{100\,(P-D)}{P}$	"	(2)
Rivet %	$=\frac{100\times A\times 4\cdot75\times S_1}{P\times T\times S}$	"	(3)
R	$=\cdot33\,P+\cdot67\,D$	"	(14)
E	$=1\cdot5\times D$	Reg.	61
BUTT STRAP (WIDE).	$=\cdot75\,T$	Eqn.	(9)
BUTT STRAP (NARROW).	$=\cdot625\,T$	"	(10)

FIG. 29. DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

THREE RIVETS PER PITCH.



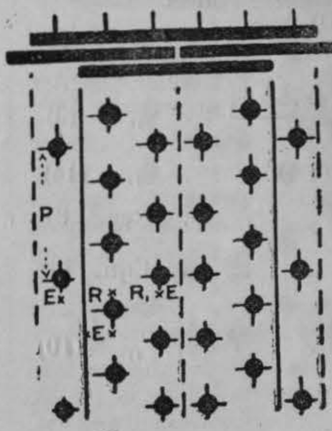
Max. Pitch	$=4\cdot63\times T+1\cdot625$	Eqn.	(13)
Plate %	$=\frac{100\,(P-D)}{P}$	"	(2)
Rivet %	$=\frac{100\times A\times 4\cdot75\times S_1}{P\times T\times S}$	"	(3)
R_1	$=2\times D$	"	(15)
E	$=1\cdot5\times D$	Reg.	61
BUTT STRAP (WIDE).	$=\cdot75\,T$	Eqn.	(9)
BUTT STRAP (NARROW).	$=\cdot625\,T$	"	(10)

TREBLE RIVETED JOINTS.

DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

FIG. 30.

FIVE RIVETS PER PITCH.



Max. Pitch $=6\times T+1\cdot625$ . . Eqn. (13)

Plate % $=\dfrac{100\,(P-D)}{P}$ . . „ (2)

Rivet % $=\dfrac{100\times A\times 8\cdot5\times S_1}{P\times T\times S}$. „ (3)

Combined % $=\dfrac{100\,(P-2\,D)}{P}+\dfrac{100\times A\times S_1}{P\times T\times S}$ „ (4)

R $=\cdot2\,P+1\cdot15\,D$ . . „ (16)

R_1 $=\cdot165\,P+\cdot67\,D$ . . „ (17)

E $=1\cdot5\times D$ . . . Reg. 61

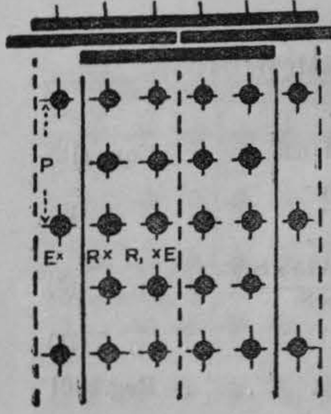
BUTT STRAP (WIDE). $=\cdot75\,T\times\dfrac{(P-D)}{(P-2\,D)}$ . . Eqn. (11)

BUTT STRAP (NARROW). $=\cdot625\,T\times\dfrac{(P-D)}{(P-2\,D)}$ . . „ (12)

FIG. 31.

DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

FIVE RIVETS PER PITCH.



Max. Pitch $=6\times T+1\cdot625$ . . Eqn. (13)

Plate % $=\dfrac{100\,(P-D)}{P}$ . . „ (2)

Rivet % $=\dfrac{100\times A\times 8\cdot5\times S_1}{P\times T\times S}$. „ (3)

Combined % $=\dfrac{100\,(P-2\,D)}{P}+\dfrac{100\times A\times S_1}{P\times T\times S}$ „ (4)

R $=\cdot33\,P+\cdot67\,D$ . . „ (14)

or 2 D whichever is greater „ (15)

R_1 $=2\times D$ . . . . „ (15)

E $=1\cdot5\times D$ . . . . Reg. 61

BUTT STRAP (WIDE). $=\cdot75\,T\times\dfrac{(P-D)}{(P-2\,D)}$ . . Eqn. (11)

BUTT STRAP (NARROW). $=\cdot625\,T\times\dfrac{(P-D)}{(P-2\,D)}$. „ (12)

PART II.

INSPECTION.

CHAPTER I.

Regulations for the Registration and Inspection of Boilers.

149. * The procedure to be followed in connection with applications for the registration of a boiler and with examinations of boilers under the Act shall be regulated in accordance with the provisions of this Chapter.

150. Preparation for Inspection.—(*a*) At every examination of a boiler for the grant or renewal of a certificate, the boiler shall be empty and thoroughly clean in all its parts. All doors of manholes, handholes and sightholes and cleaning plugs and all caps in the headers and mud drums of water-tube boilers, all fire bars, bearers, front plates, bridge plates, fire-bridges, brick arches, oil fuel burners and mechanical stoker fittings shall be removed. All valves and cocks comprising the boiler mountings shall be opened up and taken apart and the valves or cocks ground, when necessary, before the Inspector's visit.

(*b*) Provision shall, if required by the Inspector, be made for the removal of lagging or brick-work or other concealing part and for the drilling of plates, and for verifying the pressure gauge and safety valve dimensions and weights.

(*c*) All smoke tubes, exterior of water tubes, smoke boxes, and external flues shall be swept clean.

(*d*) † Provision shall be made for the effective disconnection of all steam and hot water communication with any other boiler under steam as prescribed in Part III of these Regulations. This shall be effected either by the removal of a length of pipe from the steam and feed piping or by the insertion of substantial blank flanges. Where blank flanges are employed, they shall be inserted between the flange of the chest and the pipe attached to it. No blank flange shall be inserted between a safety valve chest and the boiler.

151. Hydraulic tests.—Every new boiler shall be hydraulically tested in the presence of an Inspector or Inspecting Officer.

152. ‡ **Preparation for hydraulic tests.**—The chests of all mountings subject to steam pressure shall be in place and shut tight or blank flanged. The safety valves shall either be jammed down or removed and the chest-opening blank flanged. The attachment for the Inspector's pressure gauge and the nipple for connecting the Inspector's test pump hose shall be in order. All doors shall be properly jointed and tightened up. The boiler shall be completely filled with water, care being taken to allow all air to escape and, if possible, a preliminary test not exceeding the working pressure of the boiler shall be taken before the Inspector's visit, to test the tightness of the joints.

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* NOTE.—In accordance with sections 7 and 8 of the Act Inspectors are required to measure and examine boilers for registration, to examine boilers for renewal certificates, to determine, subject to the approval of the Chief Inspector, the pressure at which they may be allowed to work, to grant certificates therefor and generally to convey to the owners such orders as the Chief Inspector may issue.

† NOTE.—It is recommended that blow-down water pipes should be separate for each boiler and not connected to one common pipe.

‡ NOTE.—The Inspector's requirements regarding the removal of lagging or brick-work for future tests should be entered in the certificate for the boiler.

When a boiler is hydraulically tested for the first time, it shall be entirely cleared of lagging or brickwork; at subsequent tests the lagging or brickwork, or portions thereof, shall be removed if required by the Inspector.

153.—Procedure of hydraulic test.—(*a*) Subject to the provisions of sub-regulation (*e*) of regulation 155 every new boiler shall be hydraulically tested in the presence of an Inspector to not less than twice the approved working pressure, when such working pressure does not exceed 100 lbs. per square inch; when the approved working pressure is above 100 lbs. per square inch, the hydraulic test pressure shall be $1\frac{1}{2}$ times the working pressure *plus* 50 lbs. per square inch.

(*b*) The boiler shall satisfactorily withstand such pressure without appreciable leakage or undue deflection or distortion of its parts for at least ten consecutive minutes. If the test is not satisfactory, the working pressure allowable by calculation shall be suitably reduced, unless the owner desires to make such alterations as will enable the boiler to withstand satisfactorily the hydraulic test; in which case the boiler shall again be examined, after the alterations have been made, the pressure recalculated, if necessary, and the boiler tested to the satisfaction of the Inspector.

(*c*)* At the 1st hydraulic test of a boiler prior to the issue of an original certificate deflection measurements shall be made before, during and after test of each furnace length, fire-box and flat end or other plates.

(*d*) After the application of the hydraulic test the Inspector shall carefully examine the boiler inside and outside and satisfy himself that it has satisfactorily withstood the test.

(*e*) In any case in which the safe working pressure to be allowed for a boiler cannot, owing to peculiar construction of any of its parts, be determined by calculation in the ordinary way, the Inspector shall, under the direction of the Chief Inspector, subject the boiler to hydraulic test for the purpose of determining the fitness of such parts. The amount of the test pressure to be applied in such a case shall not exceed the test pressure prescribed for the least working pressure found by calculation for other parts of the boiler or the intended working pressure, whichever is less. Should any part of the boiler show undue deflection or indication of permanent set during the progress of the test, the pressure shall be released immediately such indications are observed. The working pressure for the part shall be 40 per cent. of the test pressure applied when the point of permanent set was reached. This procedure shall apply to any boiler at any test.

(*f*) Hydraulic tests of boilers at subsequent examinations shall, except when the Inspector expressly requires otherwise, be made after the inspection. The test pressure to be applied to boilers at such subsequent examinations shall be from one and a quarter to one and a half times the working pressure of the boiler.

(*g*) When the internal construction or size of a boiler does not permit of the Inspector getting inside it or of examining closely all its parts, he shall see it tested by hydraulic pressure to one and a half times the working pressure at each inspection for the grant or renewal of a certificate.

(*h*) Water tube, locomotive type and all tubular boilers shall be hydraulically tested at each inspection for the grant or renewal of a certificate, unless such test is waived under the orders of the Chief Inspector.

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*NOTE.—These deflection measurements should be entered in the Memorandum of Inspection Book before its submission to the Chief Inspector.

(*i*) The Inspector may, if he considers it necessary, apply a hydraulic test to any boiler at any inspection.

(*j*) Except in the case of small, portable and vehicular boilers which do not require re-erection or building in brickwork, the hydraulic test of all boilers shall be conducted only after the erection of the boiler *in situ*, and all boilers shall after re-erection in a position different from that in which they were last examined be hydraulically tested. A hydraulic test shall also be taken before granting an increased pressure certificate and after repairing a boiler, unless the Chief Inspector authorizes the Inspector to waive such test.

(*k*) When carrying out hydraulic tests, Inspectors shall use pressure gauges supplied by the Chief Inspector.

154. *Steam tests.—(*a*) Every newly registered boiler and every other boiler of which the working pressure has been altered shall, before the issue of an original or renewal certificate for such boiler, be tested under steam to the satisfaction of the Inspector.

(*b*) At the time of test the safety valves shall be left free and capable of being adjusted to the approved working pressure.

(*c*) After adjustment of the valves to the correct blowing pressure the boiler shall be tried under full steam and firing for at least ten minutes with the feed water shut off and the stop valve closed, during which time the Inspector shall note the accumulation of pressure and other details of the test as well as the loading and adjustment of the safety valves.

(*d*) On completion of the safety valve test the Inspector shall satisfy himself that the water gauges are in working order and that the feed apparatus is capable of supplying the boiler with sufficient water. Where the Local Government does not require a person-in-charge of a boiler to hold a certificate of competency, the Inspector may when he thinks fit satisfy himself by questioning or by practical test whether the person-in-charge of the boiler understands the use and purpose of the water gauges, the pressure gauge, the safety valves, the feed water-supply and blow-down.

(*e*) When witnessing safety valve tests, Inspectors shall use the standard pressure gauges supplied by the Chief Inspector unless the boiler pressure gauge has, since the time of inspection, been tested and found correct with an authorized testing machine.

(*f*) No steam gauge shall be used without a syphon filled with water between it and the boiler.

(*g*) When the accumulation of pressure at a steam test exceeds ten per cent. of the maximum working pressure, the area of the safety valves shall be considered insufficient, and a certificate shall be refused until the safety valve area is increased.

(*h*) An Inspector may, when visiting a factory for any purpose, verify the correctness of the safety valves and pressure gauge of any boiler under steam by comparison with his standard pressure gauge.

*NOTE.—A steam test is primarily intended for the purpose of ascertaining by actual test whether the safety valves are sufficient to relieve the boiler effectively of excess steam and whether they operate at the time when the maximum working pressure is reached. Inspectors should always send to the owner due notice of the date fixed for the steam test.

On completion of the test the Inspector should enter all details in the Memorandum of Inspection Book.

155. Procedure for registration.—(*a*) On receipt of an application for registration under section 7 (1) of the Act, the Inspector shall, when the boiler has been properly prepared for examination, proceed to measure in complete detail all its parts, ascertain the working pressure allowed by the Regulations by making a series of calculations of the strength of the various parts such calculations being based on his measurement and if he is satisfied with the correctness of the maker's certificate, on the dimensions and other particulars relating to the material and construction as stated therein [*vide* section 14 (1) (*c*) of the Act and regulation 4]. In making his calculations he shall, after examination of the material, take due account of the workmanship and details of the construction of each part. In his examination the Inspector may, if he deems necessary, bore the plates or other parts to ascertain their thickness and in making his calculations he shall be guided by the requirements of Part I of these Regulations.

(*b*) If no formulæ or co-efficient applicable to any part is contained in Part I, Chapter III, of the Regulations, the Chief Inspector shall in his discretion determine the fitness of such part.

(*c*) The strength of the weakest part so calculated or determined, subject to any discretionary power exercised by the Chief Inspector, shall determine the permissible working pressure of the boiler. After inspecting the boiler and ascertaining by the prescribed calculations the maximum pressure at which the boiler may be worked, the Inspector shall hydraulically test and steam-test it in accordance with the requirements of regulations 153 and 154 and may issue a provisional order under section 9 of the Act in Form V.

(*d*) The Inspector shall enter the above particulars and dimensions of the boiler and calculations of strength of the various parts, together with details of the hydraulic and of the steam tests, in a " Memorandum of Inspection " Book (*vide* regulation 160) which, together with all the maker's papers for the boiler, shall be submitted to the Chief Inspector with the Inspector's report under sub-section (3) of section 7 of the Act in Form VI.

(*e*) Where a certificate in Form II and a memorandum of inspection book in Form I are furnished by an Inspecting Authority in accordance with sub-regulation (*c*) of regulation 4, the Inspector shall, on receipt of an application for registration under section 7 (1) of the Act, proceed to make such examination and measurement of the boiler as will satisfy him that the boiler is the one certified by the Inspecting Authority and that it has sustained no damage in transit, for which purpose he may, if he considers it necessary, subject the boiler to hydraulic test in accordance with regulation 153.

The Inspector shall, if he is satisfied with the condition of the boiler, accept the particulars and approved working pressure entered in Form I by the Inspecting Authority as if they had been ascertained and entered by himself and shall issue a provisional order to enable the boiler to be worked.

He shall make such entries in respect of his examination of the boiler in the memorandum of inspection book as may be required and shall submit the book and Inspecting Authority's certificate and drawing of the boiler with his report to the Chief Inspector as prescribed under sub-regulation (*d*).

156. *Engraving of registry number.—(*a*) The registry number of each boiler together with the letters B. R. shall, within a period of one month after the registration thereof, be cut in the front plate thereof in such position as shall be pointed out by the Inspector.

The distinguishing letters shall be engraved above a number and separated therefrom by a horizontal line two and a half inches in length. The letters and figures shall be one inch in height and of suitable breadth, provided that in the case of small boilers the letters and figures of the device may, in the discretion of the Chief Inspector, be reduced to 3/8″ in height. The whole shall be enclosed in a rectangle, the upper and lower sides of which shall be three inches apart and one quarter inch clear of the top of the letters and the bottom of the figures respectively as indicated below :—

B. R.
1 2 3 4

The side lines shall be an equal distance clear from the figures. The engraving shall not be less than 1/64th inch in depth.

(*b*) The engraving shall be complete and ready for verification within thirty days of the first inspection of the boiler.

(*c*) Boilers having registry devices differing from those prescribed herein shall, on these regulations coming into force, have such devices obliterated, altered or cut anew in conformity with those prescribed above. The original numbers of such boilers shall be retained in the new device. A number once allotted to a boiler shall not be used again for another boiler.

157. Measurement of heating surface.—(*a*) For the purpose of regulating the area of the safety valves and the amount of registration and inspection fees the " heating surface " of a boiler shall be the total surface of all plates and tubes exposed to heat on one side and in contact with water on the other, measured on the water side or the fire side, whichever is larger.

(*b*) For Lancashire and Cornish boilers the total heating surface shall include the wetted surface of the furnaces between the end plates, the fire surface of cross tubes where fitted, and the part of the external shall below the side flue covers. In estimating the areas furnaces shall be considered as plain cylinders ; the area of their wetted surface shall be taken as their mean external circumference × the length of the boiler between end plates. For the shell the width of that part of the circumference below the flue covers shall be taken as $=2$ D, and this width × the length between end plates shall be taken as the area of shell heating surface. The part of the surface of the back end plate exposed to heat shall be omitted from the calculation.

Example.—The formula for the total heating surface of a Lancashire boiler having plain furnaces without cross tubes is as follows :—

H.S. in square feet $=2L\ (3\cdot 14d+D)$. L is the length of the boiler between end plates in feet, d is the mean external diameter of the furnaces in feet and D is the internal diameter of the largest belt of shell in feet.

*NOTE.—Engraving slips for tracing the devices in the boiler will be supplied by the Chief Inspector ; the slip should be pasted on the part of the boiler pointed out by the Inspector.

(c) For steam and water drums of water tube boilers the heating surface of the drum shall be taken as half the external mean circumference multiplied by the clear length of drum between the outer brick walls or centres of cross boxes, as the case may be. The heating surface of the tubes shall be taken as the external surface of the inclined tubes between tube plates or headers. The heating surface of the headers shall be omitted from the calculation.

(d) For marine boilers of the fire-tube type the heating surface shall include the wetted surface of the furnaces between the tube plates (considered in the same way as for Lancashire boilers), the wetted surface of the combustion chambers (less the area of the tube holes) and the wetted surface of the tubes between tube plates. The parts of the front tube plate exposed to heat shall be omitted from the calculation.

(e) For locomotive type boilers the heating surface shall include the wetted surface of the fire-box above the foundation ring (less the area of the tubes and the fire-hole and ring) and the wetted surface of the tubes between tube plates. The smoke box tube plate shall be omitted from the calculation.

(f) For vertical boilers of ordinary type the heating surface shall include the wetted surface of the fire-box above the foundation ring (less the area of fire-hole and ring and tube holes, if any) and the surface of any cross or other tubes and uptake below the lowest water level shown in the gauge glass.

(g) For any other heating surface not provided for in the foregoing instructions the same general procedure shall be observed.

(h) No deduction shall be made for stays, etc., in calculating the heating surface.

158. Boiler rating.—The boiler rating shall be the number of square feet (to the nearest whole figure) in the heating surface of the boiler as determined under regulation 157.

159. Registration Fee.—The fee required to accompany an application under sub-section (1) of section 7 of the Act shall be :—

	Rs.
For Boiler Rating not exceeding 100	40
For Boiler Rating exceeding 100 but not exceeding 300 .	50
For Boiler Rating exceeding 300 but not exceeding 500 .	60
For Boiler Rating exceeding 500 but not exceeding 700 .	70
For Boiler Rating exceeding 700 but not exceeding 900 .	80
For Boiler Rating exceeding 900 but not exceeding 1,100 .	90
For Boiler Rating exceeding 1,100	100

Provided that the Chief Inspector may direct that no fee shall be payable in respect of a fresh application made in pursuance of sub-section (2) of section 14 of the Act.

160. *Memorandum of Inspection Book.—A Memorandum of Inspection Book shall be prepared for each boiler in Form I. In this book the Inspector shall enter in ink all particulars and dimensions of the boiler with the calculations for the various parts in detail, particulars of hydraulic test and steam test and his inspection notes. At subsequent inspections Inspectors shall enter the dates of the inspections, hydraulic tests and steam tests, when such are made with their notes thereon.

161. †Registration Book.—A registration book containing all the particulars required for registration shall be maintained in the office of the Chief Inspector in Form I and any orders passed by him regarding the boiler shall be entered in the registration book under his initials.

161-A. Transfer of Memorandum of Inspection Book and Registration Book.—On a boiler passing from one Province to another, the Memorandum of Inspection Book and the Registration Book shall, on the request of the Chief Inspector of the Province to which the boiler has been transferred, be forwarded to that officer who shall take over their custody and maintain them as hereinbefore prescribed.

162 ‡Grant of certificate.—A certificate for the use of a boiler shall be granted in Form VI. In the certificate shall be entered the maximum pressure at which the boiler shall be worked, the load to be placed on the safety valves or the thickness of washers or ferrules required as safeguard against overloading, the date and pressure of the last hydraulic test of the boiler and, when applicable, of the main steam pipes prescribed.

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*NOTE.—Inspectors should also enter in the Memorandum of Inspection Book the general condition of the boiler and of repairs, to what extent boilers have been cleared of brickwork etc., a report of all casual visits, visits for inspection of repairs, for inspection of main steam pipes, and reports on accidents, etc. ; in this way the Memorandum of Inspection Book will provide a useful record of the boiler's history for the information and guidance of Inspectors at subsequent inspections.

The Memorandum of Inspection Book should always be kept clean and up-to-date.

On its submission to the Chief Inspector the Chief Inspector will, in the case of newly registered boilers, check all particulars and calculations, and approve of the working pressure that is to be permitted. In the case of old boilers, the Chief Inspector will examine the Inspector's notes of inspection and proposals made for repairs or reduction of pressure. A pressure once approved for the boiler should not be altered without the written authority of the Chief Inspector.

Inspection Books, except when actually required by the Inspector, should be filed in the office of the Chief Inspector.

†NOTE.—The Chief Inspector should also copy into the Registration Book the notes of subsequent inspections entered in the Memorandum of Inspection Book.

‡NOTE.—It is desirable that the Inspector should also enter in the ' remarks ' column of the certificate his requirements, if any, with regard to the hydraulic test, removal of lagging, brickwork, or other concealing parts for the next inspection, and his requirements regarding the repair or renewal of any part that may be considered fit only for the period of the certificate.

The Inspector's remarks should be as brief as possible.

163. *Procedure at subsequent inspections.—(*a*) At subsequent inspections of a boiler, the Inspector shall gauge and record the circularity of furnaces of boilers having cylindrical furnaces. In Adamson type furnaces he shall take a vertical and a horizontal gauging of at least the three first furnace rings and record the result in the Memorandum of Inspection Book. He shall sound gusset stay rivets to detect slack or broken rivets and shall examine gusset angles for fracture. He shall examine the waterside of the end plates around the shell lines, furnace flanges, and at the toes of gusse, stays, and the bends of furnace flanges, and shall test screw stays and smoke tubes. He shall test the fit of all internally fitted manhole and other doors. He shall examine all mountings internally and externally. When any part is wasted and he is doubtful of its fitness for the pressure, he shall cause one or more small holes to be bored and from them ascertain the average thickness of the parts from which he can satisfy himself by calculation in accordance with the formula applicable to the part. Such gaugings and calculations he shall enter in the Memorandum of Inspection Book.

(*b*) In making calculations for a wasted part of a boiler shell, *e.g.*, along the line of seating blocks of a Lancashire boiler, the Inspector shall use the ordinary shell pressure formula* without J, the percentage strength of joint.

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†NOTE.—(Against the words " the bends of furnace flanges ".) Deep grooving in the bends of the flanged-out furnace mouths of end plates is a common defect when the water is bad, and is difficult to detect.

With regard to the pitting and wasting of shell plates, the Inspector should bear in mind that shell plates may become reduced in thickness to an appreciable extent and still be stronger than longitudinal seams.

To make a thorough inspection of a boiler the Inspector should, whenever the size permits, go inside it and make a thorough inspection of all its internal parts. Before doing so, he should of course satisfy himself that proper provision has been made for disconnecting the boiler from any other boiler under steam. Should he find that proper provision for disconnection has not been made or that the boiler has not been properly cleaned or scaled, or that it is unreasonably hot, he should decline to proceed with the inspection and should report the facts to the Chief Inspector for orders. When a boiler is of such a size or its construction is such that the Inspector cannot go inside it, there should be sufficient sightholes or handholes provided to enable him to see the principal internal parts ; if any important part of a boiler is so constructed that the Inspector cannot examine it, he should report the facts to the Chief Inspector for orders.

Particular attention should be paid to the external parts of boilers in the way of seating blocks, especially when the situation is damp. Saddle tanks and engine fittings of locomotive type boilers should be removed to facilitate the inspection of the parts underneath at the first inspection, and at any reasonable period afterwards if the Inspector cannot otherwise satisfy himself as to the condition of these parts.

If the Inspector decides that a boiler in one or more of its parts is no longer fit for the pressure approved for it, he must without delay report his proposals for reducing the pressure to the Chief Inspector and at the same time submit his calculations for the wasted parts for check and approval of pressure.

*NOTE.—The formula for wasted plate may be as follows :—

$$W.P. = \frac{2t' \times S}{D \times F}$$

t' =thickness of wasted plate, where thinnest,

S =minimum tensile strength of material of shell in lb. per sq. in.,

D =internal diameter of shell in inches,

F =factor of safety, which shall not be less than 4.

164. †**Repairs to boilers.**—(*a*) Repairs to boiler shells shall be effected either by patching or by removing strip of worn or damaged plate and inserting the new strip with covering straps over the longitudinal butt ends, the strength of the riveted joints to be not less than that of the longitudinal joints of the shell.

(*b*) Patches for fire-exposed plates shall be fitted metal to metal without joint of any description. The affected part shall be cut out, leaving the corners of the hole-well-rounded. Patches shall be secured, wherever possible, by properly spaced rivets with a width of plate at least equal to the diameter of rivet between the edge of the rivet hole and the edge of the plate. Where riveting is impracticable, the plate shall be secured by well fitting countersunk headed screw pins.

(*c*) The thickness of a patch plate shall not be less than the original thickness of the plate which it is used to patch.

(*d*) Stays cut out with an affected part of a plate shall be renewed and shall be fitted through the patch.

(*e*) Bulged or distorted furnaces of circular section may, if the bulge or distortion is not too great, be heated and pressed back to shape.

(*f*) Circular furnaces of horizontal boilers that have become distorted under ordinary working conditions to a greater extent than the thickness of the furnace plate, *i.e.*, when the difference between two cross gaugings exceeds the thickness of the plate, may be strengthened by fitting anti-collapse rings round the furnace at the middle of the length of the furnace.

(*g*) Anti-collapse rings shall be of substantial section either of single or double angles bolted back to back with screw stays not less than 7/8th inch in diameter and about 7 inches in pitch passed through flat of angle and screwed into the furnace, the ends being either rounded or riveted over on the fire side and fitted with nuts at the other. The stay bolts shall be fitted with ferrules not less than 1 inch in depth between furnace and angle ring.

(*h*) Welding shall not be accepted for the repair of any part of a boiler for which welding is forbidden for a new boiler under these regulations. Boiler shells shall not be repaired by welding beyond the filling up of a small isolated corroded or pitted part or the making up of wasted edges of openings.

Note.—Cracks or grooving in dished or flat end plates of cylindrical shells or in the bends of furnace flanges in a circumferential direction may be filled up by welding to render them steam-tight, but such welding shall be reinforced by patch or other suitable means.

†NOTE.—Extensive repairs such as the renewal of furnaces, and plates, parts of shell, fire-boxes, girders, etc., should be supervised, so far as his other duties permit by the Inspector; when the fireboxes and smoke tubes of locomotive tube boilers are withdrawn, the opportunity should be taken to inspect the internal parts which are otherwise inaccessible to close inspection.

(*i*) Wasted parts of circular furnaces and fire-boxes and fire exposed flat plates as in rectangular fire-boxes and combustion chambers may be cut out and be replaced by new pieces welded in or they may be built up by welding. Longitudinal cracks in circular furnaces and fire-boxes and cracks in rectangular fire-boxes and combustion chambers may be welded.

(*j*) Where a part of a stayed flat plate is renewed, the stays affected shal also be renewed and be screwed through the new part as in the original. No stay shall be welded.

(*k*) For the purposes of these regulations renewed parts shall be deemed to be parts of a new boiler intended for use at the pressure at which the boiler under renewal is used.

165. Submission of plans of boilers.—(*a*) In the case of land boilers made in India or outside India for use in British India the Chief Inspector may, on receipt of a Treasury acknowledgment of the prescribed fee, receive for examination in advance the plans and particulars of materials, design and construction of boilers so as to avoid questions arising at the examination of the finished boilers.

(*b*) *The fee required under sub-regulation (*a*) shall be half the fee which would be required to accompany an application for the registration of the boiler (*vide* regulation 159).

(*c*) The Chief Inspector shall, after examination of the plans and particulars, intimate to the proposers whether he is satisfied with the design and fitness of the parts for the intended pressure and, if not, what modification is necessary therein. When plans and particulars of boilers have been approved, the Inspector in making his examination shall see that the designs as approved have been carefully followed out and that the material corresponds with the approved particulars.

(*d*) The above procedure shall be followed in the case of extensive repairs or alterations to boilers, but no fee shall be leviable for the examination of such plans and particulars.

CHAPTER II.

Steam Pipes.

166. Inspection of steam pipes.—(*a*) Steam pipes shall be inspected and hydraulically tested before erection in place, the test pressure to be that prescribed in the Standard Conditions for steam pipes. A certificate from an Inspecting Authority or a recognised maker stating that this has been done may be accepted. If the Inspector is satisfied with the test, the pipes may be erected in position ; at the steam test of the boiler he shall examine them under steam pressure. No separate certificate for the steam pipes shall be issued, nor shall a separate fee be charged for their inspection.

†(*b*) At subsequent inspections of the boiler or at any other time, the Inspector may make an external inspection of the steam pipes and for this purpose may require a part of the lagging at the flanges to be removed, and

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*NOTE.—It will usually be sufficient if a part of the lagging at the flanges, as pointed out by the Inspector, is removed.

†See note on regulation 165 *b*)

the pipe made bare. If as a result of this inspection the Inspector is of opinion that the pipes or any portions of them are in an unsatisfactory condition he shall report the matter to the Chief Inspector, who may require the whole of the lagging to be removed and may require any pipe or pipes to be hydraulically tested. The test pressure at such hydraulic test shall be not less than twice the working pressure of the boiler.

(*c*) The date and hydraulic pressure to which steam pipes were subjected shall be entered in the certificate for the boiler and such entries shall be continued from time to time in the renewal certificates for the boiler.

(*d*) Steam pipes shall be fitted with suitable means of drainage. Pockets or low-lying bends, in which condensed steam is likely to collect, shall be prohibited. Efficient means for draining steam pipes shall be provided in every case. All drain cocks or valves shall be accessible and be so placed as to render it practicable to drain the water from any part of the steam pipes or chests connected with them. Drain pipes shall be fitted to drain cocks or valves when the latter are in such a position that the water or steam discharge from them is likely to cause personal injury.

(*e*) Suitable provisions shall be made for expansion either by means of large bends or, in the case of long lengths of straight pipes, by expansion joints. The expansion joints of socket type shall be so fitted that the end of the pipe cannot be forced out by the action of the steam pressure or movement of the pipe.

167. Material.—Notwithstanding anything contained in regulations 142 to 148, the Chief Inspector may permit the use of cast iron steam pipes in exceptional circumstances as a temporary measure only for such period and subject to such conditions as he may direct.

168. Submission of plans of steam pipes.—Plans of steam pipes shall be submitted to the Chief Inspector before construction or at the time of registration of the boiler for his decision whether the pipes and their arrangement comply with the regulations.

[PART III.]

Safety of persons inside boilers.

169. Safety of persons working inside boilers.—(*a*) No person shall be compelled, or allowed, by the owner or person in charge, to go inside a steam boiler for any purpose whatsoever unless the boiler is effectively disconnected in the manner hereinafter prescribed from any steam or hot water communication with any other boiler.

*(*b*) Effective disconnection shall be made either by the removal of the boilers stop valve or of a length of piping from all steam and hot water connections with any other boiler, vessel or pipe containing steam or hot water or

*NOTE.—The shutting of a stop valve, stop cock or automatic isolating valve alone should not be deemed to be effective disconnection, since fatal accidents have occurred through such valves and cocks being inadvertently opened whilst men were inside the boiler; and automatic devices, although desirable in other respects, cannot always be depended upon.

by the insertion of substantial blank flanges between the boiler stop valves and piping. The shutting of a stop valve, stop cock or automatic isolating valve alone shall not be deemed to constitute compliance with this regulation.

(c) The owner of a boiler to which this regulation is applicable shall obtain the approval of the Chief Inspector in writing to the method of disconnection which he proposes to use and shall be responsible for ensuring that the method so approved is followed in practice.

170. Penalty.—Whoever contravenes the provisions of sub-regulation (*a*) of regulation 169 shall be punishable with fine which may extend to one hundred rupees.

FORM 1

(Regulations 160 and 161)



INDIAN BOILERS ACT, 1923

BOILER INSPECTION DEPARTMENT

BOILER

REGISTRY NUMBER

Memorandum of Inspection

OR

Registration Book

MISCELLANEOUS.

District.

Owner

Address of Factory

Nearest Railway Station,

Factory is miles by from station.

Work of Factory

Working season

BOILER REGISTERED at on

REGISTER BOOK No. PAGE

REGISTRY NUMBER Verified on

APPROVED WORKING PRESSURE lbs.

BOILER RATING INSPECTION FEE Rs.

REGISTRATION BOOK filed at on

Remarks on transfers, etc.,

PROVISIONAL ORDER AND CERTIFICATE RECORD.

Fee.	Date of Payment.	Date of Inspection.	Certificate No. and date.	Period of Certificate.	Working Pressure.	Boiler Rating.	Remarks and Initials of Inspector.

PARTICULARS AND DIMENSIONS.

Type of boiler, Leading dimensions, ×

Maker Intended working pressure lbs.

Place and year of make Maker's number

Description of boiler

CYLINDRICAL SHELL.

		a Shell or Firebox casing crown.	b Barrel or Mud Drum.	c Steam and Water Drum or Dome.
	Names of parts			
	Number and material of each			
	Length between end plates			
	Length between and seams			
	Diameter inside largest belt			
	Thickness of plates			
	Number of belts of plating			
	First or top belt, inside or outside			
Lindal Seams.	Position (o'clock)			
	Kind, L., S. B., D. B., W.			
	Riveting, S., D., T., C., Z., H., M.			
	No. of rivets per pitch			
	Pitch of rivets			
	Diar. of holes, outer rows			
	Diar. of holes, inner rows			
	Distance between rows, outer			
	Distance between rows, inner			
	Distance rivet centre to edge			
	Outer butt strap, width × thickness			
	Inner butt strap, width × thickness			
Circumferential Seams.	No. of seams (end and inner)			
	Kind, L., S. B., D. B., W., F., F. & B.			
	Riveting, S., D., T., C., Z., H., M.			
	No. of rivets per pitch			
	Pitch of rivets			
	Diar. of holes			
	Distance between rows			
	Distance rivet centre to edge			

PARTICULARS AND DIMENSIONS—contd.

SHELL ENDPLATES AND LONGITUDINAL STAYS.

Parts and material hereunder,

Plates.

Flat, dished, hemispherical (in pieces), not stayed, not flanged

Diameter (outside), front, back, crown, Largest circle,

Radius of curvature front, back, crown,

Radius of corner of flange, shell, furnace, uptake,

Plate thickness, front, back, crown, tube plate F., B.,

Attacht. to shell, crown or front,

Attacht. to shell, back end,

Attacht. to uptake or furnace, crown or front,

Attacht. furnace flue, back end,

Shell angle, × × riveting, S., D., pitch, holes.

Furnace or uptake riveting, pitch circle, do., do.,

Heml. end, sectors, No., riveting, S. D., do., do.,

Steam space doubling plate, front, back,

Steam space stiffener or bulb, front, do.,

Stays.

Gusset stays, No. F. E., top, bottom, B., E., top, bottom,

Longtl. stays, No. diar., threads, nutted,

Longtl. stays, pitch, V., H., circle, washers,

Diagl. stays,

FIREBOX CASING.

Parts and material hereunder,

Plates.

Length over all, bottom, Width over all, bottom,

Height, foundn. seam to inside of crown plate,

Crown, arched or flat, riveted to or one piece with sides, diar.,

Plate thickness, front, sides, saddle, crown,

Radius of corner of flange, front, saddle, crown,

Riveting, front to sides, S. D., pitch, holes, spacing,

Riveting, saddle to sides, S. D., pitch, do., do.,

Cross stays, No., diar., threads, nutted, riveted, pitch.

PARTICULARS AND DIMENSIONS—contd.

RECTANGULAR FIREBOX, COMBUSTION CHAMBER, GIRDERS, SMOKE OR WATER TUBES AND SCREW STAYS.

Parts and material hereunder,

Firebox or Combustion Chamber.

Length inside, bottom, top, Width inside, bottom, top,

Height, foundn. seam or chbr. bottom to roof,—Radius of curve. chbr. bottom,—roof side,—

Roof, flat, curved, cambered, corrugated, stayed to shell or girders, type,

Plate thickness, firehole or chbr. back, sides, roof,

Do., bottom, tube plate, F., B., Roof and sides in one,

Attacht. to firebox casing at bottom,

Do. do. do. firehole,

Foundn. ring, section, riveting, pitch, holes,

Firehole, do., do., do., do.,

Do. opening, × distance of centre above foundn. seam.

Side seams, distance between, riveting, pitch, holes,

Girders.

Firegrate dimensions, type,

Type, section, No., lengthwise, crosswise, rest on,

Distance apart, Bolts, No., pitch, diar., threads, nutted, screwed into girder.

Slings, No., distance apart, × section × pins, diar.,

Do. attacht. to shell,

Tubes.

No plain, stay, length between tube plates, make,

Plain, diar. (out.), thickness, F. E., expd., bead. frld. S.E., expd. bead, or

Stay, do., do., F. E., do., do., nutted, S. E., do. nutted

Do., do., over threads, F.E., S.E., threads, nuts,

Pitch of plain tubes, V., H., D., C., Z., straight, curved. Lie,

Do. stay do., × × × marginal pitch,

Screw Stays.

Tube plate, No. of rows, V., H., pitch, V., H.,

F. hole or back, do., V., H., pitch, V., H.,

Sides, do., V., H., pitch, V., H.,

Roof, do., L. wise, C. wise, pitch, L., C.,

Bottom, do., L. wise, C. wise, pitch, L., C.,

Ordinary stays, diar., threads, nuts, riveted, bodies turned to in

Marginal, do., do., do., do., do., "

Roof, do., do., do., do., do., "

PARTICULARS AND DIMENSIONS—contd.

CIRCULAR FURNACE, CROWN AND UPTAKE.

Parts and material hereunder.

Horizontal and Vertical Furnaces.

No. of furnaces, Type,

No. of rings in each, Longtl., Seams,

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Length between centre.	R															
	L															
Inside diameter.	R															
	L															
Plate thickness.	R															
	L															
Position of cross tubes.	R															
	L															

Flanges, type, riveting, pitch, holes,

Caulking ring, × Radius of corner, Flange width,

Crosstubes, No. each furnace, longtl. seam, riveted, welded to Flue

Do., diar. (outside), top, bottom, thickness,

Attacht. to shell at bottom,

Do. do. do. do. firehole,

Foundn. ring, section, riveting, pitch, holes,

Firehole do., do., do.—, do., do.

Do. opening, × distance of centre above foundn. seam,

Screw stays, No. of rows, pitch, V., H. nearest row to foundn. seam,

Do. do., diar., threads, nuts, , riveted, bodies turned to in

Firegrate dimensions, type,

Crown.

Flat, dished, hemispherical, not stayed, not flanged, Diar. (outside),

Radius of curvature, corner of flange, furnace, uptake, Largest circle,

Plate thickness, crown, ogee ring, Boltstay pitch circle,

Attacht. to furnace or to uptake.

Uptake riveting, pitch circle, pitch, holes.

Uptake.

Cylindrical, tapered, flanged, Longtl, seam. Length between seam

Thickness, Diar. (outside), top, bottom, Liner not fitted

PARTICULARS AND DIMENSIONS—contd.

WATER TUBES, HEADERS, BOXES AND SUPERHEATER.

Parts and material hereunder

Tubes.
- Main tubes, no., make,
- Diar. (outside), thickness, Length between headers or plates
- Pitch V, H., D., C., Z. Straight, curved, Lie,
- Ends expanded, beaded, belled to in. in
- Downtake tubes, no. diar. (outside) thickness, length (exposed).

Headers.
- Headers, no., section (outside), × thickness, solid, welded.
- Staggered or straight, Lie, no. tubes in each,
- Caps, round, oval, square, inside, outside, Bolts, diar., threads, nuts.

Boxes.
- Mudbox, Length, section (outside), × thickness, solid, welded.
- Crossboxes, no., do., × do., do. do.

Superheater.
- Tubes, no. diar. (outside), thickness, make,
- Straight, curved, Lie, Position,
- Ends expanded, beaded, belled to in. in
- Description of superheating system,

Firegrate dimensions, type.

MANHOLES, HAND AND SIGHT HOLES, DOORS AND STAND BLOCKS.

Parts and material hereunder

Manholes.		
No. and position		
Framed or plate flanged		
Boiler opening, length × width . . .		
Frame opening, length × width . . .		
Frame inside, outside, raised, pressed . .		
Frames solid, welded, cast		
Frame section on longtl. axis. . . .		
Door, type and thickness		
Door, if inside, spigot clearance . . .		
Bolts, no., diar. threads, nuts . . .		
Bolts, pitch circle		
Compensation ring, width × thickness . .		
Riveting, S. D. T., no. rivets, diar. holes' .		

PARTICULARS AND DIMENSIONS—contd.

MANHOLES, ETC.—*concld.*

Sight Holes.

No. dimensions, position,

Compensation rings fitted, section, ×

Doors, type, bolts, diar., threads, spigot clearance

Cleaning plugs, no., diar., position,

Blocks, etc.

Height, diar. (outside), top, bottom, thickness,

Standpipe below stop valve ?, height, diar. (outside) thickness

Flanges

MOUNTINGS AND FITTINGS.

Valves, etc., Chests.	Number.	Diameter.	Type.	Material.	Bolted to
Safety . . .					
Do.					
M. Stop . . .					
A. do. . . .					
Feed . . .					
Blow Down . . .					
Scum . . .					
Injector . . .					

Miscellaneous Fittings.

Water gauges, no., type, Test cocks, no.,

Do. do., top of lower nut is inches above

Test cocks, bottom cock is do.

Pressure gauge, type, diar., ins. range, lbs.

Do. do., maker, no., red line at lbs.

Tester attachment, type, screw, position

Hose, do., do., do., do.

Fusible plug, type, position.

Blow down elbow, material, waste pipe, separate, connected to

Centre of feed inlet is inches above on right, left, side

Feed apparatus

Additional fittings.

MAKERS' CERTIFICATES.

Boiler Maker.	Name,			
	Manufacture, hydraulic test to	lbs., drawing no.		received
Inspecting-Authority.	Name,			
	Tests of material, construction, supervision, hydraulic test,			received
Steel Maker. Plates.	Name,			
	Process,			received
Steel Maker. Bars.	Name,			
	Process,			received
Steel Maker. Rivets.	Name,			
	Process,			received
Rolling Mill.	Plates,			received
	Bars,			received
	Rivets,			received

TEST RESULTS.

Plates.	Shell, ... T.	to	tons. E. to	% in		ins.
	Gusset stays . . T.	to	tons. E. to	% in		ins.
	Girders, . . T.	to	tons. E. to	% in		ins.
	End and side . T.	to	tons. E. to	% in		ins.
	Fire and Flanged . T.	to	tons. E. to	% in		ins.
	———— T.	to	tons. E. to	% in		ins.
	———— T.	to	tons. E. to	% in		ins.
Stays.	Bar, . . . T.	to	tons. E. to	% in		ins.
	Screw, . . T.	to	tons. E. to	% in		ins.
Rivets.	Bars, . . T.	to	tons. E. to	% in		ins.
	Manufactured					
Bends.	Plates,					
	Bars,					
Branding.	Plates,					

Fac-simile of Maker's Stamp.

Position of Stamp.

CALCULATIONS.

SHELL, BARREL, S. & W. DRUM, F. C. CROWN, DOME, M. DRUM.
RIVETED JOINTS.

	Parts.	Joint Fig. No.	LONGITUDINAL.	Joint Fig. No.	CIRCUMFERENTIAL.
	(*A*)		P......D......T......... N. C. $S._1$		P......D......T......... N. C. $S._1$
	(*B*)				
	(*C*)				
		Actual.	Rule.	Actual.	Rule.
Max. Pitch.					
Outer Rows.					
Inner Rows.					
Edges.					
Wide Strap.					
Narrow strap.					
Plate %		$\frac{100\,(P-D)}{P} =$	%	$\frac{100\,(P-D)}{P} =$	%
Rivet %		$\frac{100 \times A \times N \times C \times S_1}{P \times T \times S} =$	%	$\frac{100 \times A \times N \times C \times S}{P \times T \times S} =$	%
Combd. %		$\frac{100\,(P-2D)}{P} + \frac{100 \times A \times C \times S_1}{P \times T \times S}$	%		
Working Pressure.		t......S......J......C......D......W.P. $= \frac{(t-2) \times S \times J}{C \times D} =$		lbs.	

LEAST PRESSURE lbs.

CALCULATIONS—contd.

FLAT END PLATES AND GUSSET STAYS.

PLATE STIFFNESS.

	Dimensions.	Front.	Back.
Thicknesses.	t . . .		
	t_1 . . .		
Diameter of Circles (D).	I—I . . .		
	I—II . . .		
	II—III . .		
	III . . .		
	IV . . .		
	IV—V . . .		
	Over Furnaces .		
	Below do . .		
	Manhole . . .		

FRONT END.

$$W.P. = \frac{(t-1)^2}{D^2} = \text{lbs.}$$

Around Manhole.

$$W.P. = \frac{[(t-1)^2 + (t_1-1)^2]}{D^2} = \text{lbs.}$$

BACK END.

$$W.P. = \frac{(t-1)^2}{D^2} = \text{lbs.}$$

AREAS (A) SUPPORTED BY GUSSET STAYS.

	Dimensions.	Front.	Back.
Length of Lines.	Mid . . .		
	I . . .		
	II . . .		
	III . . .		
	IV . . .		
	V or Mid . .		
Distance between Lines.	I—I . . .		
	I—II . .		
	II—III . .		
	III—Apex. . .		
	IV—Apex. . .		
	IV—V or Mid. .		

Gussets.	FRONT END.	Areas.
I.	=	Sq. In.
II.	=	,,
III.	=	,,
IV.	=	,,
V.	=	,,
	BACK END.	
I.	=	,,
II.	=	,,
III.	=	,,
IV.	=	,,
V.	=	,,

PLATE MARGINS.

W. P.............................

$\frac{1}{2}\sqrt{\frac{110 (t-1)^2}{W.P.}} =$ ins. $\frac{1}{2} \times \sqrt{\frac{96 (t-1)^2}{W.P.}} =$ ins.

LEAST PRESSURE. lbs.

CALCULATIONS—contd.

FLAT END PLATES AND GUSSET STAYS.

GUSSET STAY PARTICULARS.

Gussets plate, thickness, tons, angles,———×———×———

	Gussets.		N_1	N_2	N_3	N_4	D_1	D_2	D_3	D_4	G	G_1	Toe Rivets.
Number and Diameter of Rivets and Sections of Stays.	I.	F.											
		B.											
	II.	F.											
		B.											
	III.	F.											
		B.											
	IV.	F.											
		B.											
	V.	F.											
		B.											

GUSSET STAY CALCULATIONS.

			I	II	III	IV	V
Co-efficients (C).	$N_1 \times A_1$	F.					
		B.					
	$N_2 \times A_2 \times 1{\cdot}75$ . .	F.					
		B.					
	$N_3 \times A_3 \times 1{\cdot}75$ . .	F.					
		B.					
	$N_4 \times A_4$	F.					
		B.					
	$(G - N_2 D_2)(t - 2) \cdot 037$.	F.					
		B.					
	$(G_1 - D_2)(t - 2) \cdot 037$ . .	F.					
		B.					
Working Pressure.	$\frac{8500 \times C}{A}$ . . .	F.					
		B.					

LEAST PRESSURE lbs.

CALCULATIONS—contd.

LEAST PRESSURE lbs.

CALCULATIONS—contd.

SAFETY VALVES.

	A	B	C
No. valves each chest			
Type			
Diameter of valve			
Ditto neck			
Ditto outlet			

LEVER AND WEIGHT VALVES.

High Steam and Low Water Type.

		( )	( )
Weights	B.		
	L.		
	V.		
Distance.	B. to F.		
	G. to F.		
	V. to F.		

Balanced Lever. ( )

$$\frac{[W.P.(A-a)-V]\ V\ to\ F.,}{B} = \quad ins.$$

Unbalanced Lever. ( )

$$\frac{[W.P.(A-a)-V]\ V\ to\ F-(G\ to\ F)\ L.,}{B} = \quad ins.$$

Small Valve. ( )
W.P. × a ( ) = lbs.
Ordinary Type.
Unbalanced Lever. ( )

$$\frac{[W.P. \times A-V]\ V\ to\ F-(G\ to\ F)\ L}{B} = \quad ins.$$

DEAD WEIGHT VALVE. ( )

Weights. Plates
Casing
Valve.

W. P. × A. = lbs.

SPRING LOADED VALVE ( )

Range of compression inches. Load compression ins.

$\frac{L (A \times W.P.)}{D.}$

$$\sqrt{\frac{3/L \times D}{C}} = T. = \quad ins.$$

$$W.P. = \frac{C \times T^3}{D \times A} = \quad lbs.$$

C.

T.

REQUISITE SAFETY VALVE AREA.

H. S.

$$H.S. \times \frac{C}{W.P.+15} = \quad Sq.\ ins$$

W.P.—

Total S. V. Area——————

CALCULATIONS—concld.

HEATING SURFACE.

TOTAL HEATING SURFACE. sq. ft.

BOILER RATING

Calculations made by Submitted on,

Do. checked by on

Least pressure, that for = lbs

Approved working pressure, lbs.

Chief Inspector's remarks and signature

HYDRAULIC TEST (REGISTRATION).

Inspector, Date of test] Test pressure, lbs.

Duration of test, mins. Boiler pressure, gauge No. used at test,

Boiler pressure gauge compared with on found

Position of boiler at test,

Brickwork, , Lagging.

Condition of boiler under test,

Do. do. mountings under test,

RIGHT HAND.

	Ring .	. Nos.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Furnace Gaugings.	Before Test .	V															
		H															
	During Test .	V															
		H															
	After Test .	V															
		H															
	Bulging .	V															
		H															
	Permt. Set .	V															
		H															

LEFT HAND.

	Ring .	. Nos.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Furnace Gaugings.	Before Test .	V															
		H															
	During Test .	V															
		H															
	After Test .	V															
		H															
	Bulging .	V															
		H															
	Permt. Set .	V															
		H															

FRONT END. BACK END *Sketch position of gauge points.*

	Gauge Points .	A	B	C	D	A	B	C	D
End Plate Gaugings.	Before Test .								
	During Test .								
	After Test .								
	Bulging .								
	Permt. Set .								

STEAM TEST (REGISTRATION).

Inspector, Date of tests,

Approved working pressure, lbs. Test pressure, lbs.

Inspector's pressure gauge, Boiler pressure gauge, No.

Boiler connections, Condition of fire,

Fuel used, Draught,

Safety Valves lifted at, A. lbs. B lbs. C. lbs.

	Beginning.	5 mins.	10 mins.	15 mins.	Difference.
Timing of test					
Height of water in glass . .					
Pressure by Inspector's gauge .					
Do. Boiler do. . .					

Accumulation of pressure, 100 (——) = %

Do. safety valves efficiently relieve boiler ?

Condition of boilers under steam.

Do. of mountings under steam,

Loading of valves at blowing pressure A

Do. do. do. B

Do. do. do. C

Thickness or washers or ferrules

Feed pump or injector worked,

Water gauges tested,

Boiler attendant,

Limit of load on safety valves to be entered in certificate,

NOTES ON WORKING OF BOILER.

Boiler is used for,

Constant, intermittent or seasonal work,

Is boiler relieved by spare boiler ?

How long worked between cleanings ?

Most suitable time for inspection,

Pump available for hydraulically testing boiler ?

Feed water used, town, well, surface or jet condenser,

Nature of water,

Fuel used, Are printed instructions kept near boiler ?

Period between cleanings, approved by Inspector,

STEAM PIPES.

PLAN OF BOILERS AND MAIN STEAM PIPES.

PARTICULARS AND DIMENSIONS.

Situation,

Ry. Nos. of connected boilers.

Main steam pipes include,

Pipes, material, diameter (outside)

Do., thickness, ins., make,

Do., attachment of flanges,

Do., made by, installed in

Drainage,

Pipe covering,

Provision for disconnection from other boilers,

Mean steam,

Auxy. do.,

Feed delivery,

Blow down,

CALCULATIONS.

W. P.

STEAM PIPES.

RECORD OF INSPECTIONS AND TESTS.

First inspection inside and outside by on

First hydraulic test (to lbs.) by on

Remarks.

INSPECTOR'S NOTES.

FORM II.

INSPECTING AUTHORITY'S CERTIFICATE

OF INSPECTION DURING CONSTRUCTION.

[REGULATION 4 (c).]

DESIGNATION OF INSPECTING AUTHORITY.

We hereby certify that the type, boiler; length, feet inches; diameter, feet, inches; working pressure, lbs. built by Messrs. at under Shop Number, was constructed under our supervision and inspected at various stages of construction by the Inspecting Officer and that the construction and workmanship were satisfactory and in accordance with the Standard Conditions for the design and construction of land boilers under the Indian Boilers Act, 1923.

The boiler is stamped on the front end plate with our stamp as shown hereunder:—

	Maker's Name.	
Works Number		Year of Make.
Tested to lbs.	on	
W. P.	lbs.	Inspecting Officer's or Inspecting Authority's Official Stamp.

The boiler on completion was subjected to a water pressure test of lbs.; per square inch in the presence of the Inspecting Officer on 19 and satisfactorily withstood the test.

Samples of the plates, stay, angle and rivet, bars used in the construction of the boiler were tested in the presence of the Inspecting Officer and were found to comply with the tests prescribed in Part I, Chapter II, of the Regulations relating to Standard Conditions for the design and construction of land boilers under the Indian Boilers Act, 1923.

We have satisfied ourselves that the construction and dimensions of the boiler are as shown in the maker' drawing No. signed by us, and that the particulars entered in the maker's certificate of manufacture in Form III countersigned by us, are correct to the best of our knowledge and belief.

Signature of

Dated at *this* *day of* *19* .

Inspecting Authority.

FORM III.

Works Address.

CONSTRUCTOR'S CERTIFICATE OF MANUFACTURE AND TEST.

[REGULATION 4 (*d*).]

1 Description.	Type of boiler Length overall Diameter inside largest belt Intended working pressure lbs. Shop number of boiler Year of Manufacture Total heating surface sq. ft. Grate area sq. ft. Description of boiler.
2 Inspecting authority.	Boiler constructed under supervision of Boiler hydraulically tested and internally inspected after test by
3 Construction and Workmanship.	*Shell Seams.*—The longitudinal seams are and have rows of rivets in inside strap and rows of rivets in outside strap. Rivet holes are inch diameter and number per pitch of inches. Butt straps cut from plates and bent to required curve in . The circumferential seams joining rings of shell are and riveted. Rivet holes are inch diameter and number per pitch of inches. The shell and seams are and riveted. Rivet holes are inch diameter and number per pitch of inches. Details of seams as in Drawing No. *Furnace Seams.*—The longitudinal seams are . The cross seams joining rings are of type riveted. *Workmanship.*—All rivet holes in cylindrical shell and furnace flues were drilled in place after plates were bent; plates afterwards taken apart, burrs removed and rough edges of holes cleaned before riveting. Riveting wherever practicable done by machine. All fire-worked plates efficiently annealed after completion of operations. Welded parts of boiler are welding process No part of boiler proper including doors, mouthpieces and stand blocks, is made of cast iron or malleable cast iron.

4	Boiler parts and fittings.	Material.	Smelter.	Maker.	Inspecting Officer.	REMARKS.
Particulars of Material used.	Plates					
	Do.					
	Rivet bars					
	Stay					
	Angle					
	Bolts					
	Tubes					
	Girders					
	Manhole frames . .					
	Manhole doors . .					
	Manhole Compn. ring .					
	Sighthole doors . .					
	Stand blocks . . .					
	Stop Valve Chests . .					
	Safety Valve Chests .					
	Feed Valve Chests . .					
	Blow Down . . .					
	Blow Down elbow pipe .					
	Water gauge mountings .					

NOTE.—Under "Material" enter against appropriate item :—"Steel, Siemens Martin, open hearth, acid (or basic) process"; "Wrought Iron, Brand............" "Cast Steel, Process..............." etc., etc., and under "Remarks" a brief explanation of process or manufacture where necessary, *e.g.*, "Solid drawn" "Lap welded"; "Solid pressed". Tested by makers...................... lbs. per square inch, etc.

FORM III—*contd.*

THICKNESS OF PLATES, ETC., AND TENSILE TEST LIMITS.

5	Part of Boiler.	Thickness of plates in 32nd or Diameter in Inches.	Tensile strength limits to tons.	Elongation limits to %	Gauge length ins.	Brand and number on plate.
Cylindrical Shell plates.	Shell.					
	Butt Straps . . .					
	Steam and water Drum .					
	Barrel (Loco.) . . .					
	Firebox Casing Crown (Loco.)					
	Dome					
	Mud drum					
Shell End Plates.	Front End					
	Back End					
	Shell Crown . . .					
	Dome End					
	Mud drum End . . .					
	Saddle (Loco.) . . .					
	Firebox casing sides (Loco.) .					
	Doubling plate . . .					
Flanged and fire-exposed plates.	Furnace, Circular (plain).					
	Furnace, Circular (plain).					
	Furnace, Circular (corrugated).					
	Firebox Crown.					
	Firebox Side.					
	Firebox Front.					
	Firebox Tube.					
	Uptake.					
	Smokebox tube.					
Tubes.	Cross Tubes.					
	Water Tubes.					
	Smoke Tubes (plain).					
	Smoke Tubes (stay).					
	Superheater.					
	Headers.					
	Cross boxes.					
	Mud boxes.					
Stays and Bolts.	Guest Stay (plates).					
	Longitudinal.					
	Cross.					
	Screw.					
	Firebox Roof slings.					
	Firebox Roof Pins.					
	Girder Bolts.					
	Shell Angle Bolts.					
	Uptake Angle Bolts.					
	Manhole Bolts.					
	Sighthole Bolts.					
Miscellaneous.	Firebox Girders.					
	End plate Stiffeners.					
	Shell Angle.					
	Furnace Angle.					
	Uptake Angle.					
	Gusset Angle.					
	Manhole Compn. Ring.					
	Manhole Frame.					
	Manhole Cover.					
	Sighthole Compn. Ring.					
	Sighthole Doors.					
	Stand Blocks.					

(6) Certified that the particulars entered herein in manuscript by us are correct and that the parts and fittings in sections 4 and 5, against the names of which entries are made, have been used in the construction and fittings of the boiler.

The particulars shown against the various parts used are in accordance with the makers' certificates in our possession.

The design of boiler in section and end view with principal parts fully dimensioned is that shown in Drawing No. . The boiler has been designed and constructed to comply with the Regulations under the Indian Boilers Act, 1923, for a working pressure of lbs. per square inch at our works above named and satisfactorily withstood a water test of lbs. per square inch on the day of 19 in the presence of our responsible representative whose signature is appended hereunder.

Designation of Maker.

Signature of Engineer who witnessed test. Signature of Maker or Secretary of Firm.

Designation.

Dated at this day of 19 .

Signature of Inspecting Authority.

NOTE.—The drawing of the boiler and steel maker's certificate of manufacture and results of plate tests for tensile strength elongation and bending must accompany this certificate and if boiler has been built under the supervision of an Inspecting Authority their certificate in Form II must also be attached.

FORM IV.

STEEL MAKER'S CERTIFICATE OF MANUFACTURE AND RESULTS OF TESTS.

[REGULATION 4 (c).]

DESIGNATION OF ROLLING MILL.

We hereby certify that the material described below has been made by by the open hearth, acid basic, process and rolled by us and has been satisfactorily tested in the presence of your Inspecting Officer, our Test House Manager, in accordance with the Standard tests.

Date of tests 19 .

Signature or Initials,
Test House Manager.

Ordered by

Order Number date.

Boiler Number

RESULTS OF TESTS.

Charge Number.	Number of plate.	Size of Plate.					Tensile breaking strength in tons per square inch.	Elongation in inches per cent.	Number of pieces.	Part of boiler.	Bend tests.
		Length.		Breadth.		Thickness in 32nds in.					
		Ft.	In.	Ft.	In.						

Counterfoil

No.

Name of person or firm to which provisional order is granted.

Description of boiler

Maker's No. of boiler

Pressure permitted

Date

No.

FORM V.

[REGULATION 155 (c).]

PROVISIONAL ORDER UNDER SECTION 9 OF THE INDIAN BOILERS ACT OF 1923.

____

____

are hereby permitted to use the Boiler (Registry No.

made by

and bearing Maker's number at a maximum pressure of lbs.

per square inch pending the issue or refusal of a certificate within six months from the date hereof

after which period this order will become void.

Dated Inspector of Boilers.

N.B.—This order must be produced on demand by any authorised person and surrendered to the Chief Inspector on receipt of orders.

FORM VI.

——————BOILER INSPECTION DEPARTMENT.

CERTIFICATE FOR USE OF A BOILER.

(Regulation 162.)

Registry Number of Boiler. Type of Boiler.

Boiler Rating. Place and year of manufacture.

Name of Owner.

Situation of Boiler.

Repairs.

Remarks.

I hereby certify that the above described boiler is permitted by me/the Chief Inspector under the provisions of Section 7/8 of the Indian Boilers Act, No. V of 1923, to be worked at a maximum pressure of lbs. to the square inch for the period from

to

The loading of the safety valve is not to exceed

I further certify that the main steam pipe was tested hydraulically to a pressure of lbs. per square inch last on

Fee Rs. paid on

Dated at

This day of 19 .

Inspector

Countersigned.

Chief Inspector

See Reverse for "conditions".

CONDITIONS.

(Reverse of Form VI.)

(1) No structural alteration, addition or renewal shall be made to the boiler otherwise than in accordance with Section 12 of the Act.

(2) Under the provisions of Section 8 of the Act this certificate shall cease to be in force :—

(*a*) on the expiry of the period for which it was granted ; or

(*b*) when any accident occurs to the boiler ; or

(*c*) when the boiler is moved, the boiler not being a vertical boiler the heating surface of which is less than two hundred square feet, or a portable or vehicular boiler ; or

(*d*) when any structural alteration, addition or renewal is made in or to the boiler ; or

(*e*) if the Chief Inspector in any particular case so directs when any structural alteration, addition or renewal is made in or to any steam pipe attached to the boiler ; or

(*f*) on the communication to the owner of the boiler of an order of the Chief Inspector or Inspector prohibiting its use on the ground that it or any steam pipe attached thereto is in a dangerous condition.

Under Section 10 of the Act a boiler may continue to be worked beyond the period of the certificate issued for it provided the owner has applied for a renewal of the certificate before the expiry date and none of the cases specified in clauses (*b*), (*c*), (*d*), (*e*) and (*f*) apply to the boiler.

(3) The boiler shall not be used at a pressure greater than the pressure entered in the certificate as the maximum pressure nor with the safety valve set to a pressure exceeding such maximum pressure.

(4) The boiler shall not be used otherwise than in a condition which the owner reasonably believes to be compatible with safe working.

N.B.—Details regarding this boiler are recorded in Registration Book No..........................of which a copy may be obtained on payment on application to the Chief Inspector.

C. M. KER,

Secretary, Central Boilers Board.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATIONS.

Simla, the 30th May 1938.

No. D.-455 (13).—Mr. R. Alauddin, L.M.E., A.I.E.E. (America), Assistant Engineer (Inspection), Calcutta Inspection Circle, Indian Stores Department, is transferred to the Bombay Inspection Circle, with effect from the 22nd April 1938.

No. D.-461 (8).—Mr. M. Nizam-ud-din Ahmed, Dipl. Ing. (Berlin), M.V.D.E. (Berlin), Assistant Engineer (Inspection), Calcutta Circle, Indian Stores Department, was granted leave on average pay, from the 25th April 1938 to the 14th May 1938, with permission to prefix to the leave Sunday, the 24th April 1938, and suffix Sunday, the 15th May 1938.

R. W. TARGETT,

Offg. Chief Controller of Stores.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 27th May 1938.

No. 39-An.—The undermentioned accountants have been appointed as Deputy Assistant Controllers of Military Accounts, provisional, with effect from the dates shown against their names:—

Name.	Office in which employed.	Date from which appointed as D. A C., M. A., provisional.
Mr. Basheshar Nath Dutt.	C. M. A. & P.	2nd February 1938.
Mr. Bonbehari Bose .	C. A. F. A.	16th March 1938.
Mr. Janji Ram Matah .	C. M. A., W. C.	16th May 1938.

No. 40-An.—Mr. V. K. Vaidya, an accountant in the office of the Controller of Military Accounts, Southern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the forenoon of the 17th May 1938.

No. 41-An.—Mr. A. Subrahmanyam, Deputy Controller of Military Accounts, Northern Command, is granted privilege leave for 20 days, from the 23rd May 1938.

No. 42-An.—Mr. S. A. Siddiqi, Deputy Controller of Military Accounts, Eastern Command, is granted privilege leave for one month, with effect from the 1st June 1938.

No. 43-An.—Mr. Brij Narayan, Deputy Controller of Military Accounts (Administration), Lahore, is granted privilege leave for two months, with effect from the 14th May 1938.

Simla, the 31st May 1938.

No. 49-An.—Mr. M. L. Chowdhury, an officiating Deputy Assistant Controller of Army Factory Accounts in the office of the Controller of Army Factory Accounts, reverted to his substantive grade on the afternoon of the 21st May 1938.

Simla, the 1st June 1938.

No. 50-An.—Mr. E. I. Robbins, Assistant Controller of Military Accounts, Lahore, is granted privilege leave *ex*-India for 4 months, with effect from the 30th May 1936, with permission to affix the Dusehra holidays, from the 30th September 1938 to the 3rd October 1938.

No. 51-An.—Mr. Banna Ram, an accountant in the office of the Military Accountant General, has been appointed to officiate as Deputy Assistant Military Accountant General in charge Mechanical Accounting Section, Delhi, with effect from the forenoon of the 28th May 1938.

J. PARLBY,

Military Accountant General.

INCOME-TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 25th May 1938.

No. 3286-C. T./2-E./7.—Mr. P. N. Das Gupta, B.A., Income-Tax Officer, Mymensingh, is allowed under Fundamental Rule 81 (*b*) (ii) extension of leave on average pay for 3 months and 1 day, with effect from the 8th May 1938 to the 8th August 1938 in continuation of his leave on average pay for 29 days, from the 9th April 1938 to the 7th May 1938.

Calcutta, the 27th May 1938.

No. 3481-C. T./2-E./33.—Mr. A. Khan, B.A., Income-tax Officer, District IV (2), Calcutta, is allowed under Fundamental Rule 81 (*b*) (ii) an extension of leave on average pay for 22 days, with effect from the 1st May 1938 in continuation of leave already granted to him in my Order No. 16702/2-E./48, dated the 8th March 1938.

S. N. BANERJEA,

Commissioner of Income-tax,

Bengal.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

Simla, the 30th May 1938.

No. S.-77/6.—In partial modification of this Department Notification No. S.-77/6, dated the 9th May 1938, Rao Bahadur G. N. Naidu, Deputy Postmaster-General, Central Circle, is granted leave on average pay for 15 days, with effect from the 14th May 1938.

No. S.-108/1.—Mr. J. H. Harley and Mr. E. E. D'Lemos, Engineering Supervisors, Telephones, are appointed as Deputy Assistant Engineers, Telephones, Grade B, on probation for one year with effect from the 8th March 1938 and the 28th March 1938 respectively.

New Delhi, the 31st May 1938.

No. S.-80/1.—Mr. S. G. Khambatta, Postmaster, Grade A, is appointed to officiate as Postmaster, Karachi, with effect from the 24th March 1938 and until further orders.

No. S.-177/15.—Mr. S. Ganguly, Superintendent of post offices, is permitted to retire from service with effect from the 2nd December 1938.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 25th May 1938.

No. OPE. 418-P. 5.—The leave granted to Mr. L. P. Misra, Divisional Superintendent, under Notification No. OPE. 418-P. 5, dated the 18th May 1938, is hereby cancelled.

Calcutta, the 28th May 1938.

No. H. E. 17.—Doctor S. M. Majumdar, Divisional Medical Officer, has been granted three weeks' leave on average pay in India, with effect from the 9th June 1938 or subsequent date of relief. This cancels Notification No. H. E. 17, dated the 20th May 1938.

Calcutta, the 31st May 1938.

No. AE. 2134/Prom./4/I.—The following senior scale officers of the Engineering Department of the Superior Revenue Establishment, East Indian Railway, holding provisional rank, are hereby confirmed permanently with effect from the dates noted against each :—

Name.	Date of permanent promotion to the senior scale.
1. Mr. H. Barron . . .	21st August 1935.
2. Mr. L. V. Pereira . .	21st January 1936.
3. Mr. P. W. Craker . .	8th August 1937.
4. Mr. P. L. Gupta . .	30th October 1937.

This cancels notification No. AE. 2134/Prom.-4/I, dated the 10th May 1938, published in the *Gazette of India*, Part II, dated the 21st May 1938.

J. A. BELL,

Agent.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 26th May 1938.

No. 64.—Mr. H. R. Gilbert, Junior Assistant, Commercial, is granted three months' leave on average pay, with effect from 11th June 1938 or subsequent date of relief.

J. MACKINNON,

Agent.

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ACTS AND LAW BOOKS.

Acts.

1938.

II.—INDIAN COMPANIES [AMENDMENT] ACT. *Anna 1 or 1½d.*

III.—DANGEROUS DRUGS [AMENDMENT] ACT. *Anna 1 or 1½d.*

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INDIAN FINANCE ACT. *Anna 1 or 1½d.*

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PROGRESS REPORT OF—

FRI.26.37.2. 1936-37. Part II. Provincial Reports. *Rs. 4-6 or 7s. 3d.*

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INDIAN JOURNAL OF AGRICULTURAL SCIENCE—

ICAR.5.VIII.2. Vol. VIII, Part II, April 1938. *Rs. 3 or 5s. 3d.*

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The Present State and Future Development of Potato Breeding. [Salaman].

Studies in Plant Breeding Technique, III. Crop Analysis and Varietal Improvement in Malvi *Jowar*. [Hutchinson, Panse, Apte and Pugh].

Milling and Baking Qualities of Two New Pusa Wheats. [Pal].

Micro-climatology of an Irrigated Cotton Field in Sind [with Plate VII and fourteen text-figures]. [Dabral and Chiney].

Some Leaf Diseases of *Hevea Brasiliensis* new to India [with Plate VIII]. [Mitra and Mehta].

Note on *Cephalosporium Sacchari* Butl. [Casual Organism of Sugarcane Wilt]. [Subramaniam and Chona].

Studies on *Platyedra Gossypiella* Saunders [the Pink Bollworm of Cotton] in the Punjab, Part IV. The Incidence of *Platyedra Gossypiella* in Relation to Climate [1926-1931] [with three Text-figures]. [Haroon Khan].

ENTOMOLOGICAL NOTE—

A Note on *Stenobracon Deesae* [Cam.]. A New Parasite of the Root-borer of Sugarcane [with Plate IX]. [Narayanan].

RECORDS OF THE BOTANICAL SURVEY OF INDIA—

BSI.2.XII.2. Vol. XII, No. 2.—(1) The Flora of the Lushai Hills, (2) Some new North-west Himalayan Mosses. *Re. 1-6 or 2s. 3d.*

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Archaeology.

EPIGRAPHIA INDICA—

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No. 26. A Note on the dates of Uchchakalpa Kings. [Mirashi].

No. 27. The Vailur Inscription of Kopperunjingadeva. [Venkatasubba Aiyar].

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No. 29. Fragmentary Stone Inscription of Queen Uddalladevi. V.S. 1294. [Nagar].

No. 30. Sangur Inscription of Yadava Mahadevaraya: Saka 1186. [Panchamukhi].

No. 31. A Note on the Tiriyay Rock Inscription. [Chhabra].

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Changes in the Internal Structure of the Air-bladder of *Silonia silondia* [Ham.] during growth. [Krishnan Nair].
A Note on *Eorrhachis trutta* [Blanford]. [Seshaiya].
A New Species of *Bhooria* Distant [Jassidae : Rhynchota]. [Ribeiro].
Studies on Indian Trypetidae [Diptera]. [Munro].
Indian Earthworms. III. The Genus *Eutyphoeus.* [Gates].
On two Chalcidoid parasites of Lepidoptera with a Description of *Eupelmus terminaliae*, sp. nov. [Hafiz].

CIVICS AND ADMINISTRATION.

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HD.5.38. January 1938. *Rs. 4 or 6s. 9d.*

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CS.5.I.17.38.	Vol. I, No. 17, 7th April 1938.	*As. 5.*
CS.5.I.18.38.	Vol. I, No. 18, 8th April 1938.	*As. 5.*

LEGISLATIVE ASSEMBLY—

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MO-N 7[N]. **ARMY TRANSPORT CART,** Mark VI, Notes, 1938. [*not for sale*].

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LIST OF CHANGES IN WAR MATERIAL AND OF PATTERNS OF MILITARY STORES FOR H. M.'S ARMY SERVING IN INDIA—

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MEDICAL DEPARTMENT. LIST OF OFFICERS—

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MO-R 77 [N]. No. 6, 1938.—Instructions for the Inspection and proof of Small Arm Ammunition and 1-inch Aiming Rifle Cartridges. (*not for sale*).

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MQ-M 10 [N]. Revise of Regulations for Units with Mechanically Propelled Vehicles [Short Title M. V. R. I.], 1938. *As. 9 or 1s.*

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MCR-R 296 [N]. India, 1937. *Re. 1-10 or 2s. 9d.*

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DGCIS.29.7.3.38. Third Forecast. *As. 3 or 4d.*

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REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, JUNE 11, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

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E. V. GREGORY,
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13/6.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 11th June 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

May 28, 1938.

25282. International General Electric Co. of New York, Ld. Improvements in or relating to light sources and methods of producing the same.

25283. The Indian Hume Pipe Co., Ld. Improvements in or relating to anti-air-raid shelters.

25284. N. V. Philips' Gloeilampenfabrieken. Improvements in or relating to electric apparatus.

25285. Standard Telephones and Cables, Ld. Railway signalling system. (May 31, 1937).

25286. Ruhrchemie Aktiengesellschaft. Process for dechlorinating hydrocarbons. (May 9, 1938).

May 30.

25287. The General Electric Co., Ld. Improvements in electric discharge lamps. (June 4, 1937).

25288. The General Electric Co., Ld. Improvements in sealing metallic bodies hermetically through vitreous walls. (June 14, 1937).

25289. The Permutit Co., Ld. Improvements relating to the treatment of water. (June 29, 1937).

25290. Standard Telephones and Cables, Ld. Antenna networks, particularly for systems of guiding vehicles by radio electric waves.

25291. Standard Telephones and Cables, Ld. Improvements in or relating to electric signalling systems. (June 4, 1937). [Addition to No. 24017].

25292. Imperial Chemical Industries, Ld. Improvements in or relating to the treatment of textiles. (June 16, 1937). [Addition to No. 24852].

25293. E. I. Du Pont De Nemours & Co. Improvements in or relating to the separation of solid materials.

May 31.

25294. Standard Telephones and Cables, Ld. Systems for emitting directed radiant energy.

25295. R. C. G. Slazenger. Improvements in or relating to the detection of objects by electro-magnetic rays.

June 1.

25296. Commercial Secretaries, Ld. Improvements in electric cables. (June 2, 1937).

June 2.

25297. Dunlop Rubber Co. (India), Ld. Improvements in or relating to the vulcanisation of rubber or the like. (July 27, 1937).

25298. L. R. Gupta and L. O. Gupta. Improvements in or relating to padlock.

25299. Deutsche Petroleum-Aktiengesellschaft. A process for the removal and the recovery of solvent remainders from liquids, particularly of selective solvents from hydrocarbon oils and the like.

25300. E. I. Du Pont De Nemours and Co., L. R. Westbrook and R. O. Hull. Improvements in or relating to the electro-deposition of zinc. [Addition to No. 24327].

25301. Babcock & Wilcox, Ld. Improvements in built-up structural members.

June 3.

25302. W. H. Martin. Improvements in cop changing mechanisms for looms. (July 13, 1937).

25303. The Keelavite Co., Ld. Improvements in or relating to rotary fluid pressure engines and the like. (June 4, 1937).

Alteration of date.

(I)

24601. The claim to priority date the 4th November 1936 has been abandoned and the application dated as of the 4th November 1937, the date of filing in India.

(II)

25213. Ante-dated 22nd July 1937 under Section 5.

(III)

25261. Ante-dated 10th December 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list be will available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23766. The General Electric Co., Ld. Improvements in or relating to wind-direction indicators. (March 10, 1936). *One small and one large cone over a hot plate.*

24062. J. Bruecker. Electric shaver. *Cutting head with apertures flexed to arcuate shape, cutter and means for producing shear between said cutter and head during rapid oscillating movement of cutter.*

24071. A. H. C. Rostron and (Mrs.) M. Rostron. A composition of matter for use in the medical treatment of dry-coat in horses or the like and the manner of use thereof. *Mixture of distom-coscinodiscus silica and infusorial earth.*

24087. Dewey & Almy Chemical Co. Improvements in or relating to printer's blankets. (June 11, 1936). *Napped textile material impregnated with rubber derived from aqueous dispersion.*

24185. Banadium Corporation of America. Improvements in or relating to the extraction of vanadium from vanadium-bearing material. *Heated ore quenched at the temperature of roasting.*

24212. R. P. Pescara. Improvements in and relating to motor compressors. (July 13, 1936). *For lowering the mean pressure in compensating chamber, actuated by at least one of the free pistons.*

24307. T. L. Shepherd, and Shepherd's Industries, Limited. Frothed, cellular, or sponge-like gelatinised food product and processes of making same. *Gelatinising a mixture of cassava flour, and water and partially drying the flakes.*

24312. International General Electric Co. Inc. Improvements in or relating to electric valve converting systems. *For transferring energy between alternating current circuit and a direct current circuit comprising two legged reactor with inductive-windings.*

24386. International General Electric Co., Inc. Improvements in or relating to electric valve converting systems. *Comprising a magnetic core structure with two legs having inductive windings with valves interconnecting windings.*

24401. Office General De La Cinematographie Francaise. Improvements in and relating to cinematographic projection apparatus operable with either silent or sound films. (April 22, 1937). *A sound reading device is laterally attached to the apparatus of the type having automatic loop.*

24402. Office General De La Cinematographie Francaise. Improvements in and relating to devices for stopping on an image in cinematographic projection apparatus. (May 28, 1937). *Retarding stop device in which retarding members which delay release are actuated from main shaft.*

24502. The Linde Air Products Company. Method and apparatus for removing surface metal and body produced. *Applying a wide but thin ribbon-like stream of oxidizing gas to the surface to be removed.*

24601. E. R. Mountstephen, W. J. Wood and A. G. Spence. Improvements in automatic burglar, fire or like alarms. *Mechanism for effecting sequence of operations is operated by a common transmission shaft.*

24711. Universal Oil Products Co. Process for the conversion of butanes into gasoline. *Separating the gaseous and gasoline fractions obtained by pyrolytic conversion of butanes, polymerising the intermediate fraction with phosphoric acid catalysts and fractionating.*

24742. Dunlop Rubber Co. (India), Ld. Tyre shaping machine. (December 17, 1936). *Flat tyre casing is expanded to tyre shape by displacement of plates correctly disposed by toothed gearing.*

24750. I. G. Farbenindustrie Aktiengesellschaft. The manufacture of resinous heterocyclic condensation products. (December 22, 1936). *Condensation of alaphatic aldehyde and guanazole or phenylguanazole.*

24880. T. L. Shepherd. Improvements in and relating to the manufacture of collars, cuffs and the like. (January 28, 1937). *Multi-ply collar or cuff comprising a backing or inter-lining provided with a pre-formed weakened fold line and a facing on one or both sides of the backing or inter-lining.*

24908. A. L. McWilliam, E. L. Goodman and McLeod & Company Limited. Improvements in or relating to the hoods or leaf containers for tea-leaf rolling machines. *Means for raising hood relatively to frame comprising angle cleats.*

24921. Hugo Schneider Aktiengesellschaft. Improved wire clip for securing or connecting the sieve plate of a hurricane lantern to the inner slidable metal chimney. *Upper part of clip bent at right angles to vertical arm to form a segment of a circle.*

24935. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to operating circuits for voltage responsive visual indicator electron discharge tubes. *Variation of target potential corresponding to changes in the potential of shadow with control element.*

24982. Dr. Ing. C. Weicken & Co. Kommanditgesellschaft. Improvements in machines for making cheroots or the like. *Coiling troughs movably mounted and suited to the form of the coiling mandrel, thus forming complete stationary hollow casing.*

25007. Stator Corporation. Improvements in refrigerating apparatus. *Aspirator assembly for pumping refrigerant vapour by entrainment in propellant vapour.*

25213. The General Electric Co. Ld. Improvements in or relating to electric discharge lamps comprising luminescent materials. (February 25, 1937). [Addition to Nos. 24249 and 24607]. [Ante-dated July 22, 1937]. *Zinc beryllium silicate containing more than 1 per cent. of manganese as luminiscent material.*

25261. F. S. Kerr & Co., and N. A. Balvalli. Improvements in and relating to the extraction of cardol from cashew nuts. [Ante-dated December 10, 1937] *Converting the anacardic acid into its salt and separating the cardol from the mixture by means of a solvent.*

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23588. Government Central Press, H. E. H. the Nizam's Government.
23589. Government Central Press, H. E. H. the Nizam's Government.
23598. Cosserat.
23610. Ghosh.
23613. Standard Telephones and Cables Ld.
23624. Filter Tips Ld.
23826. Davidson and Co. Ld.
24060. Williams.
24368. Lentz.
24389. Metropolitan-Vickers Electrical Company, Limited.
24390. Metropolitan-Vickers Electrical Company, Limited.
24447. Rogers, and Whitelegg & Rogers, Limited.
24473. Morawetz.
24479. Candy Filters (India) Limited and Aitken.
24541. Sharp & Dohme, Incorporated.
24542. Sharp & Dohme, Incorporated.

Patents Sealed.

23489. National Processes, Ltd.
23494. Callender's Cable and Construction Co., Ld.
23503. Penny and Worthington.
23538. Libbey-Owens-Ford Glass Co.
23566. Ercole Marelli & C. Societa' Anonima.
23576. C. C. Wakefield & Co., Ld.
23591. Siemens-Schuckertwerke Aktiengesellschaft.
23917. Jamal Din Mohd. Husain, Zamindar Foundry.
24146. Heyman.
24241. Varadaraja Iyengar.
24311. Hume Steel Ld.
24415. Gresham & Craven Ld.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

15871 and 22422. Douglas Henry Remfry.
23617, 23618 and 23619. The Ohio Crankshaft Co.

Renewal Fees Paid.

PATENTS.

9582. Kershaw and ors. (To 9th August 1939).
10556. George. (To 18th August 1939).
11467. Redler. (To 13th July 1939).
11495. Western Electric Co. Ld. (To 20th July 1939).
11523. Societe Anonyme Compagnie Francaise pour l'Exploitation des Procede's Thomson-Houston & ors. (To 28th July 1939).
12375. The Stirling Boiler Co. Ld. (To 29th July 1939).
12402. Pontoppidan. (To 6th July 1939).
12417. Deutsche Gold-und Silber Scheideanstalt Vormals Roesslar. (To 13th July 1939).
12505. Saxby & Farmer (India) Ld. & anor. (To 16th August 1939).
12515. Det Norske Aktieselskab For Elektrokemisk Industri. (To 23rd August 1939).
12559. Roberts and ors. (To 6th September 1939).
12642. Standard Telephones and Cables Ld. (To 30th July 1939).
13408. Branscombe and anr. (To 24th July 1939).
13409. Low Temperature Carbonisation Ld. (To 4th July 1939).
13410. Low Temperature Carbonisation Ld. (To 4th July 1939).
13496. The Westinghouse Brake & Saxby Signal Co. Ld. (To 1st August 1939).
14443. Muller. (To 5th June 1939).
14500. Pouchain. (To 18th June 1939).
14509. Standard Telephones and Cables Ld. (To 25th June 1939).
14559. Standard Telephones & Cables Ld. (To 9th July 1939).
14604. Standard Telephones & Cables Ld. (To 23rd July 1939).
14753. Cresson. (To 2nd September 1939).
15904. The British Cotton Industry Research Association and ors. (To 3rd July 1939).
15969. Standard Telephones and Cables Ld. (To 9th July 1939).
16076. LeClair and ors. (To 13th September 1939).
16189. Sandberg and ors. (To 29th September 1939).
16326. Associated Electrical Industries Ld. (To 5th November 1939).
17001. Main. (To 14th June 1939).
17099. Blythe. (To 25th June 1939).
17475. Richter. (To 24th October 1939).
17781. Kershaw and ors. (To 11th September 1939).
17830. Main. (To 14th June 1939).
17834. Saint-Jacques. (To 2nd March 1939).
17904. LeClair and ors. (To 17th September 1939).
18079. Caston and anr. (To 1st June 1939).
18082. Segal Founders Corporation. (To 1st June 1939).
18094. Ringfeder G. m. b. H. (To 2nd June 1939).
18105. Hornell. (To 8th June 1939).
18161. Bandini. (To 29th June 1939).
18163. H. H. Robertson Co. (To 30th June 1939).
18168. The Chloride Electrical Storage Co. Ld. & anor. (To 6th July 1939).
18243. Dietmann. (To 3rd August 1939).
18246. Holzworth. (To 5th August 1939).
18258. Reiners and anr. (To 10th August 1939).
18262. Konig. (To 10th August 1939).
18367. I. G. Farbenindustrie Aktiengesellschaft. (To 21st September 1939).

18413. Electrical Research Products Inc. (To 31st July 1939).
18976. Smith. (To 30th May 1939).
19035. Ewing. (To 29th June 1939).
19049. Firm Hermann Nier. (To 7th July 1939).
19058. Air Reduction Co. Inc. (To 11th July 1939).
19101. Reiners. (To 1st August 1939).
19168. J. Stone & Co., Ld. (To 7th November 1939).
19284. Associated Electrical Industries Ld. (To 9th November 1939).
19345. Chemical Construction Corporation. (To 26th August 1939).
19932. Currie. (To 11th June 1939).
19986. Casablancas. (To 5th June 1939).
19995. S. A. des Ateliers de Construction de Jambes Namur (Anciens Etablissements Theophile Finet.). (To 12th June 1939).
20082. Aladdin Industries Ld. (To 1st June 1939).
20110. Hume Steel Ld. (To 24th July 1939).
20245. Skirrow and anr. (To 18th September 1939).
20842. The Chloride Electrical Storage Co. Ld. (To 20th July 1939).
20920. Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken. (To 5th June 1939).
20931. I. G. Farbenindustrie Aktiengesellschaft. (To 12th June 1939).
20932. I. G. Farbenindustrie Aktiengesellschaft. (To 12th June 1939).
20933. I. G. Farbenindustrie Aktiengesellschaft. (To 19th June 1939).
20943. Wahlert. (To 12th June 1939).
20986. DePenning. (To 3rd July 1939).
20990. Compania Anonima Statie. (To 3rd July 1939).
21013. Societe des Procedes Ecla. (To 14th July 1939).
21062. Montecatini Societa Generale per l'Industria Mineraria ed Agricola. (To 6th August 1939).
21085. Dunlop Plantations Ld. (To 15th May 1939).
21109. Aktiebolaget Siefvert & Fornander. (To 20th August 1939).
21356. Associated Electrical Industries Ld. (To 12th November 1939).
21721. Burton. (To 6th June 1939).
21806. Saunders. (To 13th August 1939).
21903. Marconi's Wireless Telegraph Co., Ld. (To 3rd August 1939).
21996. Sammons and ors. (To 11th July 1939).
22142. Barlow and anr. (To 31st August 1939).
22380. Schering-Kahlbaum Aktiengesellschaft. (To 22nd November 1939).
22382. Schering-Kahlbaum Aktiengesellschaft. (To 23rd November 1939).
23408. Schering-Kahlbaum Aktiengesellschaft. (To 23rd November 1939).

Cessation of Patents.

18217. The British Tabulating Machine Co. Ld.
18772. Landau.
19584. The English Electric Co., Ld.
20642. Dey.
20644. Gard and anr.
20647. Marshall and ors.
20648. Mornand.
21271. Dell and anr.
21657. Stellite Ld.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets :—

Class 12. Nos. 63288 and 63289. Pandit Ram Nath Sharma, son of Pandit Nand Lal Sharma, of Sialkot, (Punjab), British India. April 27, 1938.

Class 13. Nos. 63326, 63327, 63328, 63330 to 63335. The Indian Bleaching, Dyeing & Printing Works, Ld,, of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. May 20, 1938.

Class 13. Nos. 63336 to 63341. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. May 20, 1938.

Class 13. No. 63343. The Indian Bleaching, Dyeing & Printing Works, Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay. May 21, 1938.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BRLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.

DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.).	The Patent Office

B.—Where publications other than printed specifications are available :—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Lahore, the 2nd/4th June 1938.

Portions of the following notes of the Lahore Office of Issue are stated to have been destroyed, and payment of their value has been claimed by the person whose names are shown against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
W.D. 8 of 1938	T-5/872289	100	Mr. Modha Singh, Nathana, District Ferozepur.
	T-5/991405	100	
	T-5/408853	100	
	T-5/385553	100	
W.D. 9 of 1938	S-71/999281	100	Mr. Natha Singh of Khanana P.O. Sahna, District Gujrat.
	T-14/670495	100	

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, LAHORE.

MUL CHAND,

Currency Officer.

Calcutta, the 3rd/4th June 1938.

Portions of the following notes of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of their value has been received from the persons whose names are shown against the numbers. Any other person(s) who consider(s) himself/themselves as having a right to it is/are warned to communicate at once with the undersigned.

Case No.	Number of Note.	Value.	Name and address of the applicant.
		Rs.	
W.D./13 of 1938.	T/22-142215	100	Nasiruddin Dewan, Village Rajnagar, P. O. Atigram, District Dacca.
W.D./14 of 1938.	T-33/101040	100	Rai Bahadur Motilall Chawria, No. 1, Cullen Place, Howrah.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

S. GUPTA,

Currency Officer.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 31st May, 1938.

No. 19.—Mr. Ganga Bishan is appointed as Assistant Currency Officer, Reserve Bank of India, Delhi with effect from the afternoon of the 26th May 1938 *vice* Mr. Mohd. Ghouse Mohiaddin transferred to the Bank's Lahore Office.

MANILAL B. NANAVATI,

Deputy Governor.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

Simla, the 4th June 1938.

No. E. B.-15.—Mr. F. H. Rowan, Aircraf Inspector in the Civil Aviation Directorate i granted earned leave for 14 days, with effec from the 6th June 1938 or the date from whic it is actually taken.

F. TYMMS,

Director of Civil Aviation in Indi

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Return of the Rupee Debt of the Central Government of India for 31st March 1938.

[Thousands of Rupees.]

PUBLIC DEBT BEARING INTEREST.

Particulars.	Date of issue.	Conditions of Repayment.	Amount out-standing.	TOTAL.
			Rs.	Rs.
REASURY BILLS	..	....	38,00,50	
AYS AND MEANS ADVANCES.	..	....	..	
ST OFFICE CASH CERTIFICATES.	..	....	60,27,11	
OST OFFICE SAVINGS BANK DEPOSITS.	..	....	79,42,61	
ROVIDENT FUNDS AND OTHER UNFUNDED DEBT.	..	....	95,78,95	2,73,49,17
ERMINABLE LOANS—				
% Loan, 1938-40	1st Oct. 1932	On or before 1st October 1940, but not preceding 1st October 1938, with three months' previous notice.	19,13,90	
Loan, 1939-44	15th July 1929	On or before 15th July 1944, but not preceding 15th July 1939, with three months' previous notice.	27,78,12	
% Loan, 1940-43	1st Oct. 1932	On or before 1st October 1943, but not preceding 1st October 1940, with three months' previous notice.	25,18,48	
Bonds, 1941	15th Sept. 1934	On 15th September 1941	10,67,32	
onds, 1943	1st Feb. 1933	On 1st August 1943	14,97,18	
Income Tax Free Loan, 1945-55.	15th Oct. 1919	On or before 15th October 1955, but not preceding 15th October 1945, with three months' previous notice.	56,74,94	
% Loan, 1947-50	15th May 1933	On or before 15th November 1950, but not preceding 15th November 1947, with three months' previous notice.	55,94,37	
% Loan, 1948-52	1st June 1936	On or before 1st June 1952, but not preceding 1st June 1948, with three months' previous notice.	12,01,28	
Loan, 1951-54	15th Sept. 1935	On or before 15th September 1954, but not preceding 15th September 1951, with three months' previous notice.	15,12,85	
Loan, 1955-60	15th Sept. 1928	On or before 15th September 1960, but not preceding 15th September 1955, with three months' previous notice.	9,05,70	
Loan, 1960-70	15th Sept. 1926	On or before 15th September 1970, but not preceding 15th September 1960, with three months' previous notice.	63,30,26	3,09,94,40
TERMINABLE ...S— ... AND HALF PER CENT.—				
1842-43	1st Feb. 1843	At the option of the Government of India after three months' notice.	24,54,06	
1854-55	30th June 1854.	Ditto	20,80,26	
" coupon (a)	..	Ditto	5,56	
1865	1st May 1865	Ditto	38,44,83	
Reduced, 1879	16th Jan. 1879.	Ditto	2,71,35	
1900-01	30th June 1900	Ditto	36,46,05	1,23,02,11
...EE PER CENT.—				
1896-97	22nd July 1896.	Ditto	3,23,54	3,23,54
...WAY LOANS—				
Maharaja Holkar, 4½ p.c.	(1870-77).	After 101 years	70,00	
Maharaja Scindia, 4 p.c.	..	..	1,50,00	2,20,00
		TOTAL		7,11,89,22*

PUBLIC DEBT NOT BEARING INTEREST.

Particulars.	Date of discharge.	Amount.
		Rs.
5½% War Bonds, 1920.	15th Aug. 1920.	2,86
5½% War Bonds, 1921.	15th Sept. 1921.	2,53
5½% War Bonds, 1922.	15th Aug. 1922.	1,79
5½% War Bonds, 1923.	15th Sept. 1923.	48
4% Terminable Loan of 1915-16.	30th Nov. 1923.	25
5½% War Bonds, 1925.	15th Sept. 1925.	17
6% Bonds, 1926.	15th Sept. 1926.	93
6% Bonds, 1927.	1st Oct. 1927.	1,55
5½% War Bonds, 1928.	15th Sept. 1928.	1,35
6% Bonds, 1930.	15th Aug. 1930.	3,75
6% Bonds, 1931.	15th Sept. 1931.	27
6% Bonds, 1932.	1st Oct. 1932.	1,19
5% War Loan, 1929-47.	15th May 1933.	4,23
4% Conversion Loan of 1916-17.	1st July 1933.	59
6% Bonds, 1933-36.	15th Aug. 1933.	3,31
5% Bonds, 1933.	1st Sept. 1933.	1,98
4% Loan, 1934-37.	16th Aug. 1934.	2,64
4½% Bonds, 1934.	15th Sept. 1934.	2,10
5% Bonds, 1935.	15th Sept. 1935.	1,75
6½% Treasury Bonds, 1935.	15th Sept. 1935.	8,64
TOTAL		42,36

(a) Issued in London in conversion of the 4½ per cent. Loan.
* Amount held in London is 7,63,18.

...E OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.
New Delhi, the 3rd June 1938.

M. SUBRAHMANYAN,
Accountant General, Central Revenues.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on — Week-days and Saturdays from 10 A.M. to 7 P.M.; Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 11th June 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATION.

New Delhi, the 6th June 1938.

No. 01370-E.—Mr. A. L. Saksena, Financial Assistant to Chief Engineer and Rent Officer, Central Public Works Department, was granted leave on average pay for 4 months with effect from the afternoon of the 28th May 1938.

2. Mr. R. W. Bronkhurst, a member of the Subordinate Accounts Service attached to the office of the Accountant General, Central Revenues, New Delhi, whose services have been placed temporarily at the disposal of the Central Public Works Department, is appointed to officiate as Financial Assistant to Chief Engineer and Rent Officer, Central Public Works Department, with effect from the afternoon of the 28th May 1938, vice Mr. Saksena granted leave.

F. T. JONES,

Chief Engineer.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATION.

P. O. New Forest (Dehra Dun), the 3rd June 1938.

No. 657.—Mr. Ram Das Tandon, Mechanical Engineer, Utilisation Branch, Forest Research Institute, Dehra Dun was permitted to rejoin duty on the forenoon of the 27th May 1938. The unexpired portion of the leave granted to him in this office Notification No. 519, dated the 21st April 1938 is hereby cancelled.

L. R. SABHARWAL,

Inspector General of Forests.

GOVERNMENT OF INDIA, DEPARTMENT OF EXPLOSIVES.

NOTIFICATION.

Calcutta, the 2nd June 1938.

No. G.-15(15)1.—On completion of the probationery period, Mr. T. K. Lahiri, M.Sc., A.I.C., is confirmed as Assistant Inspector of Explosives, North Circle, Lahore with effect from the forenoon of the 2nd October 1937.

G. PEACE,

Chief Inspector of Explosives in India.

List of Government Securities, etc., in the custody of the Reserve Bank of India on the 31st December 1937, deposited under Article 80 (a) of the Government Securities Manual, 2nd Edition.

INDEX.

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List of Government Securities, etc., in the custody of the Reserve Bank of India, Calcutta, on

Serial No.	Ledger Folio.	Name of the Administrator or Officer to whom interest is sent.	Name of the Person or Fund on whose behalf held.	3 per cent. Loan.			3½ per cent. Loan.			
				1896-97.	1941.	1951-54.	1842-43.	1854-55.	1865.	1879.
				Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	1	Resident at Jaipur . .	Jaipur College Fund .	..	..	..	..	..	1,000	..
2	3	Principal, Mayo College, Ajmer.	Mayo College Fund . .	..	..	..	..	..	5,63,000	..
3	4	Assistant Resident in Mewar, Kherwara (Rajputana).	Kotra Dispensary Fund .	..	..	..	..	..	2,200	..
4	5	Chairman, Beawar Municipality, Ajmer.	Beawar Municipality .	10,000	..	..	..	..	..	..
5	6	Chairman, District Board, Ajmer.	District Board Fund. .	..	..	..	..	20,000	25,000	..
6	7	Chairman, Kekri Municipality, Kekri, Ajmer.	Kekri Municipality . .	2,000	..	..	..	..	..	..
7	8	Civil Surgeon, Ajmer . .	Ajmer General Hospital .	..	..	..	..	15,000	..	..
8	9	Ditto .	Ajmer Victoria Hospital Fund.	..	..	..	..	..	..	..
9	10	Ditto .	Deolia Dispensary Fund .	..	..	..	..	..	500	..
10	11	Ditto .	Masuda Dispensary Fund .	..	..	..	..	..	20,000	..
11	12	Ditto .	Ramsar Dispensary Fund .	..	..	..	..	..	2,500	..
12	13	Chief Medical Officer, Rajputana, Ajmer.	Waller Memorial Fund .	..	..	..	..	..	..	..
13	14	Commissioner, Ajmer-Merwara, Ajmer.	Ajmer Dispensary Fund .	..	..	..	..	..	4,000	..
14	15	District Inspector of Schools, Ajmer-Merwara.	Edward Harris Gold Medal Fund.	..	..	..	..	2,000	..	..
15	16	Commissioner, Ajmer-Merwara, Ajmer.	R. S. Seth Motilal & Seth Totalal, Sadar Khajanchee.	..	..	..	..	..	10,000	50,000
16	17	Ditto .	Todgarh Dispensary Fund.	..	..	..	..	..	1,500	..
17	18	District Magistrate, Ajmer-Merwara, Ajmer.	Chowkidari Fund . .	..	..	..	1,400	5,000	..	..
18	19	Principal, Government College, Ajmer.	Ajmer Government College	..	..	..	..	200	2,400	..
19	20	Ditto .	Ajmer Government College Scholarship Fund.	..	..	..	..	..	1,400	..
20	22	Ditto .	Endowment Fund for Ajmer Government College.	..	..	..	..	..	41,100	..
21	21	President, Durgah Committee, Ajmer.	Durgah Committee . .	..	..	..	..	..	2,500	..
22	23	General Manager, Court of Wards, Ajmer.	Audit Fund	..	..	1,000	..	..	..	..
23	24	Ditto .	Baba Sujanand of Nilaseori.	..	..	..	..	..	500	..
24	25	Ditto .	General Establishment Fund.	..	..	..	..	..	2,000	..
25	25(*a*)	Ditto .	Minor Thakur Gajadhar Gajendra Singh of Kurthal Estate.	..	..	500	..	..	..	..
26	26	Ditto .	Mayo College Boarding House Fund.	..	..	800	..	..	1,500	..
27	27	Ditto .	Minor Nawab Md. Umar Khan of Boraj.	..	..	25,700	..	..	..	..
28	29	Ditto .	T. Bhanwar Singh of Tiswaria.	..	..	..	..	..	..	..
29	30	Ditto .	Thakur Bijey Bahadur Singh of Tiswaria.	..	..	1,000	..	..	..	..
30	32	Ditto .	Thakur Karan Singh of Govindgarh.	..	..	3,000	..	..	..	..
31	33 & 33 (*a*)	President, Walterkrit Rajputra Hitakarini Local Sabha, Ajmer.	Walterkrit Rajputra Hitakarini Local Sabha, Ajmer.	..	..	..	500	2,000	3,400	..
32	34	Secretary, Municipal Committee, Mt. Abu.	Abu Municipal and Sanitary Committee.	..	..	..	..	..	37,600	..
33	35	Superintendent of Education, Delhi and Ajmer-Merwara, Delhi.	Endowment of a Scholarship in Government College, Ajmer.	..	..	..	..	1,000	..	..
34	36	Ditto .	Endowment of Sir Elliot Colvin Medal.	..	..	..	..	..	..	..
35	37	Ditto .	Herbert Harris Scholarship Fund.	..	..	..	3,000	..	..	..
36	38	Ditto .	Jankibai Khandakar Scholarship Fund in Government College.	..	..	..	2,000	..	100	..
37	39	Ditto .	Moti Begum Scholarship Fund.	..	..	..	..	..	700	..
38	40	Ditto .	Pandit Kailash Nath Sham Nath Scholarship Fund.	1,000	..	..	5,000	800	..	..

December 1937, deposited under Article 80 (*a*) of the Government Securities Manual, 2nd Edn.—*contd.*

	4 per cent. Loan.		4½ per cent. Loan.	5 per cent. Loan.			5½ per cent. Loan.	Punjab Bonds.	5 per cent.	Debentures.	Total.
1947-50.	1943.	1960-70.	1955-60.	1939-44.	1940-43.	1945-55.	1938-40.	4 per cent. 1948.	U. P. Loan 1944.		
Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	1,57,600	..	..	..	..	..	..	..	..	7,20,600
..	..	..	..	..	..	..	..	..	..	..	2,200
..	..	..	..	..	..	..	..	..	..	..	10,000
..	15,500	..	..	..	15,800	28,000	..	..	..	..	1,06,400
..	..	..	..	4,900	..	..	..	..	..	..	6,900
..	..	..	..	..	..	..	..	..	..	..	15,000
..	..		..	..	..	..	..	..	..	..	500
..	..	..	..	..	..	..	..	..	..	..	500
..	..	..	..	..	..	..	..	..	..	..	20,000
..	..	..	..	..	..	..	..	..	..	..	2,500
..	..	2,400	..	..	..	..	..	..	..	..	2,400
..	..	..	..	..	..	..	..	..	..	..	4,000
..	..	..	..	..	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	..	..	..	..	60,000
..	..	..	..	..	..	..	..	..	..	..	1,500
..	..	5,000	..	5,200	..	..	..	..	..	..	21,600
..	..	..	..	..	..	..	..	..	..	..	2,600
..	..	..	..	..	..	..	..	..	..	..	1,400
..	..	..	..	..	..	..	..	..	..	..	41,100
..	..	..	..	..	..	..	..	..	..	..	2,500
..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	500	..	..	..	..	..	..	..	..	1,000
..	..	3,000	..	8,400	..	2,400	..	..	..	..	15,800
..	..	..	..	..	..	2,000	..	..	..	..	2,500
..	..	..	1,000	6,300	..	2,000	..	..	..	..	11,600
..	..	8,300	..	..	..	..	..	..	..	..	34,000
..	..	1,000	..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	3,000
..	..	..	..	100	..	..	..	..	..	..	6,100
..	..	..	..	25,600	..	..	..	..	..	..	63,200
..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	200
..	..	..	..	..	..	..	..	..	..	..	3,500
..	..	..	..	..	..	..	..	..	..	..	2,100
.	..	..	..	..	..	..	..	..	..	..	700
..	..	..	..	..	..	..	..	..	..	..	7,000

List of Government Securities, etc., in the custody of the Reserve Bank of India, Calcutta, on the 31st

Serial No.	Ledger Folio.	Name of the Administrator or Officer to whom interest is sent.	Name of the Person or Fund on whose behalf held.	3 per cent. Loan.			3½ per cent. Loan.				
				1896-97.	1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.
				Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
39	41	Treasury Officer, Ajmer	Charitable Relief Fund	..	..	..	..	..	..	..	..
40	42	Political Agent, Bhopal	Mustt. Bani Bai and others	..	..	..	..	..	..	..	..
41	45	Ditto	Luard Prizes	1,000	..	..	..	..	..	..	..
42	46	Manager, Eastern Bank; Ld., Calcutta.	British Cemetery Fund	..	..	..	..	..	1,500	..	..
43	51	Deputy Accountant General, Central Revenues, Calcutta.	Sushil Kumar Roy, Cashier	..	..	..	..	..	..	..	..
44	51(*a*)	Deputy Controller, Stationery, Calcutta.	Abdur Rahman Khan, Proprietor, Messrs. Karim Bux Bros., Contractors.	..	..	..	..	..	2,000	..	..
45	52	Ditto	Bolai Chand Addy, Storekeeper.	..	..	..	..	..	20,000	..	..
46	53	Ditto	The Bengal Industrial Co., Calcutta.	..	..	..	..	..	..	..	..
47	55	Ditto	Bengal Paper Mills Co., Ld.	..	..	..	..	..	..	..	..
48	56	Ditto	Bimalshasi Devi, Surety of Kiriti Bhusan Mukherjee, Storekeeper.	..	..	..	..	..	15,000	..	..
49	57	Ditto	Deccan Paper Mills Co., Ltd., Poona.	..	..	..	..	..	..	..	..
50	57(*a*)1	Ditto	Dhirendra Nath Ganguly, Cashier.	..	..	..	..	..	..	..	..
51	58	Ditto	Messrs. F. N. Gooptu & Co.	..	..	..	..	..	..	..	90[illegible]
52	59	Ditto	Messrs. F. W. Heilgers & Co.	..	..	..	..	..	..	..	30[illegible]
53	59(*a*)	Ditto	Hari Sadhan De, Contractor.	..	..	..	..	..	1,000	..	..
54	59(*a*1)	Ditto	Harish Chandra Bose & Co.	..	..	..	..	..	..	..	..
55	59(*a*3)	Ditto	J. N. Nandy, Contractor.	..	..	..	..	..	200	..	..
56	59(*a*4)	Ditto	James Glandye & Co.	..	..	..	..	..	..	..	..
57	60	Ditto	Kirity Bhusan Mukherjee, Storekeeper.	..	..	..	..	..	..	..	..
58	61(*a*3)	Ditto	Lily Chemical Works, Calcutta.	..	..	..	..	..	..	..	300
59	61(*a*5)	Ditto	National Tannery Co., Ld.	..	..	..	..	..	..	..	..
60	62	Ditto	Nilmony Halder & Co.	..	..	..	..	1,000	1,000	..	1,000
61	65	Ditto	Upper India Couper Paper Mills Co., Ld., Lucknow.	..	..	..	..	..	2,000	..	..
62	66	Master of the Mint, Calcutta.	Northbrook Medal Prize Fund.	..	..	..	..	..	2,000	..	..
63	67	Director, Zoological Survey of India, Calcutta.	Khagendra Chandra Biswas, Cashier.	500	..	..	..	..	..	..	..
64	71	Manager of the Forms Press, Calcutta.	Messrs. Karim Bux Bros.	..	..	2,000	..	..	..	..	..
65	72	Ditto	Messrs. Lalchand & Sons.	..	..	..	..	..	..	..	..
66	72(*a*)	Ditto	Rajendra Mohan Roy, Cashier.	..	..	..	..	1,000	..	..	..
67	73	Manager, Government of India Press, Calcutta.	Nirmal Kumar Roy Chowdhury, Storekeeper.	..	..	..	..	500	..	..	..
68	75	Ditto	Sudhan Krishna Ghosal, Cashier.	..	..	..	1,200	..	2,700	..	..
69	75(*a*)	Master of the Mint, Calcutta	Akshoy Kumar Gupta, Assistant Bullion Keeper.	..	..	..	100	100	300	..	..
70	75(*a*1)	Ditto	Atul Krishna Bose, Assistant Bullion Keeper.	..	..	..	..	..	200	..	..
71	76(*a*)	Ditto	Bepin Behary Mitra, Assistant Bullion Keeper.	500	..	..	..	..	..	..	100
72	77	Ditto	Benoy Kumar Mitra, Assistant Bullion Keeper.	..	..	..	..	100	..	..	..
73	77(*a*)	Ditto	Bhupendra Nath Ghosh, Assistant Bullion Keeper.	..	..	..	..	100	100	..	400
74	77(*a*1)	Ditto	Ganesh Chandra Mukhopadhyay.	..	..	200	..	..	..	..	..
75	77(*b*)	Ditto	Haran Chandra Mitra, Assistant Bullion Keeper.	500	..	..	..	..	..	..	100
76	78(*a*)	Ditto	Jogesh Chandra Chakravarty, Assistant Bullion Keeper.	..	..	..	..	..	200	..	..

December 1937, deposited under Article 80 (*a*) of the Government Securities Manual, 2nd Edn.—*contd.*

	4 per cent. Loan.		4½ per cent. Loan.	5 per cent. Loan.			5½ per cent. Loan.	Punjab Bonds.	5 per cent.	Debentures.	Total.
1947-50.	1943.	1960-70.	1955-60.	1939-44.	1940-43.	1945-55.	1938-40.	4 per cent., 1948.	U. P. Loan, 1944.		
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	1,400	..	..	..	..	1,400
..	..	..	..	..	..	..	4,800	..	..	..	4,800
..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	1,500
..	..	1,100	..	..	..	..	..	..	..	..	1,100
..	..	..	..	..	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	..	..	..	..	20,000
..	..	..	..	..	..	1,000	..	..	..	..	1,000
..	..	1,000	..	25,000	..	..	..	..	..	..	26,000
..	..	..	..	..	..	..	..	..	..	..	15,000
..	..	3,000	..	..	..	..	..	..	..	..	3,000
..	..	..	..	..	..	4,000	..	..	..	..	4,000
..	..	..	..	..	..	..	..	..	..	..	900
200	..	..	..	39,700	8,100	..	..	..	..	..	48,300
..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	6,500	..	..	..	..	6,500
..	..	..	..	..	..	..	..	..	..	..	200
..	..	..	..	..	..	1,000	..	..	..	..	1,000
..	..	..	..	..	..	4,000	..	..	..	..	4,000
..	..	..	..	..	..	..	..	..	..	..	300
..	..	200	..	..	..	..	..	..	..	..	200
..	..	..	..	..	..	..	..	..	..	..	3,000
5,000	..	..	..	..	..	..	..	..	..	..	7,000
..	..	..	..	..	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	..	..	..	..	500
1,000	..	..	..	..	..	..	..	..	..	..	3,000
8,100	..	..	..	..	..	..	..	..	..	..	8,100
..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	500
..	..	..	..	..	..	..	..	..	..	..	3,900
..	..	..	..	..	..	..	..	..	..	..	500
..	..	..	..	..	..	..	..	..	..	..	200
..	..	..	..	..	..	..	..	..	..	..	600
..	..	100	..	..	..	200	..	..	..	..	400
..	..	..	..	..	..	100	..	..	..	..	700
..	..	..	..	..	..	..	..	..	..	..	200
..	..	..	..	..	..	..	..	..	..	..	600
..	..	..	..	..	..	..	..	..	..	..	200

List of Government Securities, etc., in the custody of the Reserve Bank of India, Calcutta, on the 31[illegible]

Serial No.	Ledger Folio.	Name of the Administrator or Officer to whom interest is sent.	Name of the Person or Fund on whose behalf held.	3 per cent. Loan.			3½ per cent. Loan.				
				1896-97.	1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.
				Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
77	79	Master of the Mint, Calcutta.	Jotish Chandra Datta, Bullion Keeper.	..	..	..	6,300	12,500	23,000	5,000	14,2[illegible]
78	80	Ditto .	Krishna Lal Roy, Contractor.	1,000	..	..	..	..	..	..	..
79	81	Ditto .	Nagendra Nath Ganguly, Storekeeper.	..	..	..	300	..	..	..	2[illegible]
80	81(a)	Ditto .	Nagendra Nath Paul, Contractor.	300	..	..	..	..	..	..	..
81	82	Ditto .	Pashupati Gosh, Assistant Bullion Keeper.	..	..	..	..	..	..	..	..
82	82(a)	Ditto .	Promode Krishna Roy, Assistant Bullion Keeper.	..	..	200	..	..	..	..	..
83	82(a¹)	Ditto .	Sailendra Kumar Bhattacharjee, Assistant Bullion Keeper.	..	..	..	..	..	500	..	..
84	82(a²)	Ditto .	Surendra Nath Bhattacharjee, Assistant Bullion Keeper.	500	..	..	..	..	..	..	..
85	82(a³)	Ditto .	Suresh Chandra Mukherjee, Assistant Bullion Keeper.	..	..	..	..	..	..	..	50[illegible]
86	82(b)	Ditto .	Tulsidas Hazra, Assistant Bullion Keeper.	..	..	200	..	..	..	..	..
87	83	Ditto .	W. M. Mayers, Assistant Melter.	..	..	..	..	..	..	..	3,4[illegible]
88	85	Accountant General, Central Revenues, New Delhi.	Hara Kali Pal, Cashier .	..	..	..	..	..	2,000	..	[illegible]
89	86	Ditto .	Indian Research Fund Association, Simla.	..	..	..	37,600	16,50,000	..	..	5,00,0[illegible]
90	87	Ditto .	Persian Famine Relief Fund.	..	..	..	..	..	14,000	..	..
91	97	Ditto .	Parlakimedi Trust Fund .	..	..	..	..	..	1,52,500	..	..
92	88	District Judge, Delhi . .	Sisganj Gurdwara . .	..	..	..	300	5,000	..	..	28,00[illegible]
93	89	Chief Commissioner, Delhi .	King Edward Memorial Garden.	..	..	..	..	1,28,000	..	..	..
94	90	Deputy Commissioner, Delhi	Harnam Das, District Nazir	800	..	..	..	..	..	..	..
95	91 and 92	Honorary Treasurer, All-India Women's Education Fund Association, New Delhi.	All-India Women's Education Fund Association.	..	..	..	2,200	10,700	41,100	..	30,2[illegible]
96	95	Agent, Imperial Bank of India, New Delhi.	40th Cavalry Regiment Scholarship Fund.	..	..	..	..	..	900	..	3,4[illegible]
97	96	Superintendent of Education, Delhi.	Kewal Ram Baijal Education Fund.	..	..	..	..	..	..	..	..
98	98	Resident at Gwalior . .	Raja of Khania Dhana Estate.	..	..	..	..	..	15,500	..	..
99	99	Ditto .	Silloo Fund . . .	..	..	..	6,900	..	1,800	..	..
100	100	Collector, British Administered Areas, Hyderabad, Deccan.	Vallabhdas Bhagwandas Minor.	1,400	..	..	..	..	..	..	[illegible]
101	105	Secretary, General Council and Working Committee, Daly College, Indore.	Banda Medal Prize Fund .	400	..	..	..	..	..	..	
102	106	Ditto .	Bevivle Prize Fund . .	..	..	..	..	..	..	..	..
103	107	Ditto .	Daly College Endowment Fund.	..	..	..	..	..	..	..	..
104	108	Ditto .	Daly College Building Account Fund.	..	..	..	..	..	..	..	..
105	109	Ditto .	Daly College Furniture Account Fund.	..	..	..	..	..	..	..	..
106	110	Ditto .	Datia Glancy Prize Fund .	1,000	..	..	..	..	..	..	..
107	111	Ditto .	Heale Prize Fund . .	..	..	..	..	..	..	..	1,[illegible]
108	112	Ditto .	Maihar Prize Fund . .	..	..	..	..	..	..	..	..
109	113 & 113a	Ditto .	Master's Provident Fund .	..	..	..	..	..	..	..	..
110	114	Ditto .	Ogilvie Bailey Misra Prize Fund.	..	..	..	..	..	..	100	2,[illegible]
111	115	Ditto .	Percy Hide Prize Fund .	..	..	..	..	..	..	..	..
112	117	Political Agent in the Southern States of Central India, Manpur.	Kathiawar Estate . .	..	..	..	..	..	6,000	..	..
113	118	Ditto .	Ratanmal Estate . .	..	..	..	..	..	..	..	..

December 1936, deposited under Article 80 (a) of the Government Securities Manual, 2nd Edn.—*contd.*

	4 per cent. Loan.		4½ per cent. Loan.	5 per cent. Loan.			5½ per cent. Loan.	Punjab Bonds.	5 per cent.	Debentures.	Total.
1947-50.	1943.	1960-70.	1955-60.	1939-44.	1940-43.	1945-55.	1938-40.	4 per cent. 1948.	U. P. Loan, 1944.		
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	61,000
..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	500
..	..	..	..	..	..	..	..	..	..	..	300
..	..	..	..	..	..	400	..	..	..	..	400
..	..	..	..	..	..	..	..	..	..	..	200
..	..	..	..	..	..	..	..	..	..	..	500
..	..	..	..	..	..	..	..	..	..	..	500
..	..	..	..	..	..	..	..	..	..	..	500
..	..	..	..	..	..	..	..	..	..	..	200
..	..	..	..	..	..	..	..	..	..	..	3,400
..	..	..	..	..	..	..	..	..	..	..	2,000
..	..	..	12,21,500	..	..	..	..	..	..	..	34,09,100
..	..	..	..	..	..	..	..	..	..	..	14,000
..	..	..	..	..	..	..	..	..	..	..	1,52,500
..	..	..	..	..	..	..	..	..	..	..	33,300
..	..	..	..	..	..	..	..	..	..	..	1,28,000
..	..	..	..	..	..	..	..	..	..	..	800
..	..	..	..	23,600	..	..	..	..	1,08,000	..	2,15,800
..	..	..	..	..	..	16,000	..	..	..	..	20,300
..	..	..	..	..	..	1,000	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	15,500
..	..	..	..	..	..	..	..	..	..	..	8,700
..	..	..	..	..	..	2,67,600	..	..	..	..	2,69,000
..	..	..	..	..	..	..	..	..	..	..	400
1,100	..	..	..	..	..	..	..	..	..	..	1,100
29,000	1,64,600	6,100	..	..	..	1,57,900	..	..	..	..	3,57,600
11,000	36,600	..	..	25,700	..	..	..	..	..	..	73,300
8,300	..	..	..	9,300	..	3,900	..	..	..	..	21,500
..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	..	..	1,100	..	..	..	..	..	..	1,100
..	1,30,100	97,100	..	..	..	..	..	..	..	..	2,27,200
..	..	..	..	..	..	..	..	..	..	..	2,200
..	..	..	600	..	..	..	..	..	..	..	600
..	..	..	..	..	..	..	..	..	..	..	6,000
..	..	..	..	..	..	28,300	..	..	..	..	28,300

List of Government Securities, etc., in the custody of the Reserve Bank of India, Calcutta, on the 31

Serial No.	Ledger Folio.	Name of the Administrator or Officer to whom interest is sent.	Name of the Person or Fund on whose behalf held.	3 per cent. Loan.			3½ per cent. Loan.				
				1896-97.	1941.	1851-54.	1842-43.	1854-55.	1865.	1879.	1900-01.
				Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
114	119	Political Agent, Malwa Indore.	Jobat Estate . . .	..	..	..	..	..	8,100	..	..
115	120	Political Agent in the Southern States of Central India and in Malwa, Indore.	Barkhara Estate . .	..	..	..	..	..	..	..	..
116	121	Ditto .	Dewan Bahadur Seth Kesri Singh, Treasurer.	..	..	..	2,000	..	8,000	..	..
117	122	Ditto .	Rai Sahib Sett Kissori Singh Chandmal, Treasurer, Panth Piploda Estate.	..	..	..	..	..	10,000	..	..
118	123	Ditto	Gurderkhera Estate . .	..	..	..	..	..	..	..	..
119	124	Ditto .	Panth Piploda Estate .	..	..	..	..	..	..	..	..
120	125	Ditto .	Piploda Estate. . .	..	..	..	..	..	..	..	..
121	126	Ditto .	Serwan Estate . .	...	..	..	..	..	..	..	..
122	127	President, Lady O'Dwyer Girls' School, Indore.	Lady O'Dwyer Girls' School Committee.	..	..	..	2,000	1,000	11,800	..	..
123	128	Residency Area Authority, Indore.	Indore Residency Fund .	10,000	..	..	..	..	10,200	..	..
124	129	Treasury Officer, Indore .	Sarwan Bai, Treasurer .	5,000	..	..	13,000	500	8,500	..	9,[illegible]
125	130	Director of Pasteur Institute of India, Kasauli.	Pasteur Institute . .	..	..	..	..	..	20,100	..	..
126	131	Political Agent, Loralai .	Wasi, Minor . . .	..	..	..	..	..	13,500	..	..
127	132	Ditto .	Md. Yusuf, Minor . .	..	..	..	..	..	5,000	..	..
128	133	British Envoy at the Court of Nepal.	Bhagwati Prosad, Treasurer, British Legation.	..	..	..	..	..	..	..	[illegible]
129	135	Agency Surgeon, Bundelkhand, Nowgong.	Establishment Funds .	..	..	..	..	..	..	..	..
130	136	Ditto .	Nowgong Civil Hospital Fund.	..	..	..	..	..	..	..	..
131	137	Officer Commanding, Kitchner College, Nowgong (Bundelkhand).	Cantonment Fund . .	4,500	..	..	..	..	..	..	..
132	138	Political Agent, Bundelkhand, Nowgong.	Excluded Local Fund .	..	..	..	..	..	..	..	..
133	139	Ditto .	King Edward Memorial Fund of the Bundelkhand Agency.	..	..	..	..	..	13,200	..	..
134	140	Ditto .	Kunwar Kishore Singh .	..	..	..	..	..	1,50,000	..	..
135	141	Ditto .	Prince of Wales Recovery Fund.	..	..	..	..	..	2,400	..	..
136	142	Ditto .	Sukh Lal, Treasurer .	..	..	..	..	..	..	..	5,000
137	143	Ditto .	Victoria Famine Insurance Fund.	..	..	..	..	..	26,300	..	..
138	144	Political Agent, Kalat . .	Bolan Bazar Fund . .	..	..	..	..	..	4,000	..	..
139	145	Ditto .	Mir Yacoob Khan and Mir Ayub Khan of Las Bela.	..	..	..	..	..	7,000	..	..
140	145(a)	Political Agent, Quetta-Pishin.	Girl Guide Association .	..	..	..	..	..	1,000	..	..
141	148	Political Agent, Sibi . .	Barnes School Scholarship Fund.	..	..	..	..	..	3,200	..	..
142	149	Ditto .	McIvor Female Dispensary Fund	..	..	..	..	..	10,800	..	4,000
143	150	Ditto .	Harnai (Hathali) Bazar Fund.	..	..	..	..	..	..	..	..
144	151	Ditto .	Sibi Bazar Fund . .	..	..	..	5,000	..	10,000	..	..
145	152	Political Agent, Zhob . .	Countess of Dufferin Hospital Fund.	..	..	..	..	500	2,200	..	..
146	153	Ditto .	Fort Sandeman Bazar Local Fund.	..	..	..	..	..	..	..	8,[illegible]
147	154	General Manager, Rajputana Salt Sources, Northern India Salt Revenue, Sambhar.	Adishwar Lal Jain, Treasurer.	..	..	..	..	..	..	..	..
148	155(a)	Head Master, High School, Sehore.	Sehore High School Centenary Prizes.	..	..	..	..	..	300	..	..
149	156	Chief Controller of Stores, Indian Stores Department, Simla.	B. C. Nawn and Bros., Contractors.	..	..	..	..	..	..	..	2,[illegible]
150	157	Military Adviser-in-Chief, Indian State Forces, Simla.	Indian State Forces, Local Charges Fund.	..	..	..	..	..	..	..	..
151	158	Secretary, Imperial Council of Agricultural Research, Simla.	Imperial Council of Agricultural Research.	..	..	..	..	..	..	..	..

December 1937, deposited under Article 80 (*a*) of the Government Securities Manual, 2nd Edn.—*concld.*

	4 per cent. Loan.		4½ per cent. Loan.	5 per cent. Loan.			5½ per cent. Loan.	Punjab Bonds.	5 per cent.	Debentures.	2¾ per cent. 1948-52.	Total.
1947-50.	1943.	1960-70.	1955-60.	1939-44.	1940-43.	1945-55.	1938-40.	4 per cent. 1948.	U. P. Loan, 1944.			
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	8,100
..	..	..	..	1,000	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	..	10,000
..	..	..	..	..	..	..	..	..	..	..	..	10,000
..	..	..	..	..	..	1,500	..	..	..	..	..	1,500
..	..	..	..	3,500	..	..	..	..	..	..	..	3,500
..	..	..	..	..	..	10,000	..	..	..	..	..	10,000
..	..	..	..	..	..	3,000	..	..	..	..	..	3,000
..	..	..	..	..	..	..	..	..	..	..	..	14,800
2,200	..	39,400	..	..	..	2,000	..	..	..	..	..	63,800
..	..	..	..	..	..	..	..	..	..	..	..	36,000
[illegible],100	..	61,900	..	..	..	..	..	..	..	..	..	97,100
..	..	..	..	..	..	..	..	..	..	..	..	13,500
..	..	..	..	..	..	..	..	..	..	..	..	5,000
..	..	..	..	1,000	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	4,900	..	..	..	..	..	4,900
..	..	..	..	..	..	15,400	..	..	..	..	..	15,400
22,200	..	31,800	..	..	..	..	..	..	..	..	..	58,500
..	..	..	..	9,500	..	..	..	..	..	..	..	9,500
..	..	..	..	..	..	..	..	..	..	..	..	13,200
..	..	..	..	..	..	..	..	..	..	..	..	1,50,000
..	..	..	..	..	..	..	..	..	..	..	..	2,400
..	..	..	..	10,500	..	..	..	..	..	..	..	15,500
..	..	..	..	..	..	28,200	..	..	..	..	..	54,500
..	..	..	..	..	..	10,000	..	..	..	..	..	11,000
..	..	..	..	..	..	..	..	..	..	..	..	7,000
..	..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	..	3,200
..	..	..	..	..	..	..	..	..	..	..	..	14,800
..	..	10,000	..	..	..	..	..	..	..	..	..	10,000
..	..	..	..	..	..	15,400	..	..	..	..	..	30,400
..	..	..	..	..	..	..	..	..	..	..	..	2,700
34,400	..	..	..	..	..	..	..	..	..	..	..	42,400
..	..	32,600	..	..	..	..	..	..	..	..	..	32,600
..	..	..	..	..	..	..	..	..	..	..	..	300
..	..	..	..	..	..	8,000	..	..	..	..	..	10,000
1,00,000	..	..	..	..	..	..	..	..	..	..	..	1,00,000
5,50,000	..	..	..	15,54,400	..	..	..	..	..	..	4,00,000	25,04,400

List of Government Promissory Notes, etc., in the custody of the Reserve Bank of India, Calcutta on the 31s

Serial No	Ledger Folio.	Name of the depositor.	5% Loan.			3½% Loan.						4% Loan.	
			1896-97.	1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.	1960-70.	1943 [partially visible]
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
152	3	All India United Assurance Co. Ltd., Lucknow.	95,000	..	..	..	..	..	..	..	..	..	..
153	4	Agarwal Assurance Society, Ltd., Ajmer.	28,800	..	..	..	..	2,200	..	..	..	..	..
154	5	All India Security Life and General Assurance Co. Ltd., Bombay.	3,000	..	..	3,000	4,800	11,000	4,000	19,200	..	..	..
155	6	Associacao Goana De Mutuo, Auxilio, Ltd., Bombay.	..	..	..	15,000	47,400	59,500	25,300	52,800	..	..	..
156	7	Adarsha Bima Co., Ltd., Allahabad.	..	..	..	..	..	25,000	..	..	..	..	..
157	8	Aryya Insurance Co. Ltd., Sylhet.	30,000	..	..	15,000	5,000	2,000	..	3,000	..	..	..
158	9	Asiatic Government Security Life Assurance Co. Ltd., Bangalore.	..	..	..	..	..	..	..	..	..	..	2,00
159	10	Asian Assurance Co., Ltd., Bombay.	..	..	..	..	..	..	..	..	..	..	
160	11	Asia Mutual Insurance Co., Ltd., Calcutta.	25,000	..	..	..	..	..	..	..	..	..	..
161	12	Andhra Insurance Co., Ltd., Madras.	25,000	..	..	24,700	1,000	100	5,000	69,200	25,000	..	
162	14	Allianz und Stuttgarter Life Insurance Bank Ltd., Delhi.	50,000	..	..	5,000	5,000	62,000	3,000	75,000	..	..	
163	15	Argus Insurance Co., Ltd., Ahmedabad.	25,100	..	..	31,000	5,000	1,000	..	16,000	..	..	
164	16	Aryan Life Assurance Society Ltd., Fort, Bombay.	17,000	..	..	11,000	31,500	1,000	2,000	12,500	..	..	
165	17	Aryasthan Insurance Co., Ltd., Calcutta.	8,000	..	..	100	26,100	700	..	12,100	..	..	
166	18	All India & Burma Provident Fund, Bangalore.	..	..	..	1,000	1,000	..	..	6,000	..	13,000	
167	19	Ashok Insurance Co. Ltd., Bombay.	71,000	..	..	..	..	..	..	..	..	..	
168	20	Agra Mutual Assurance Society Ltd., Agra.	34,600	..	..	100	100	300	..	200	..	..	
169	21	All India Railwaymen's Benefit Fund Ltd., Nagpur.	..	..	..	50,000	1,25,000	25,000	..	..	..	..	
170	30	Burma National Insurance Co., Ld., Rangoon.	25,000	...	...	...	...	...	...	...	...	...	
171	31	B., B. & C. I. Rly. Co-operative Mutual Death Benefit Society for Indian Staff, Ltd., Bombay.	..	..	..	..	500	10,000	10,000	10,000	..	..	
172	32	Behar United Insurance Ltd Patna.	43,100	..	..	..	..	..	..	..	..	..	
173	33	Bihar National Insurance Co., Ltd., Patna.	28,000	..	..	..	..	..	..	..	..	20,000	
174	34	Bhaskar Insurance Co., Ld., Gauhati.	25,000	..	..	..	..	..	..	..	..	..	
175	35	Bharat Insurance Co., Ltd., Lahore.	..	..	..	2,00,000	..	..	..	..	..	..	
176	36	Bombay Life Assurance Co., Ltd., Bombay.	..	..	..	..	..	..	..	..	..	..	
177	37	Bombay Mutual Life Assurance Society Ltd., Bombay.	..	...	..	31,800	42,000	1,25,000	..	1,200	..	..	
178	38	Bengal Insurance and Real Property Co., Ltd., Calcutta.	..	..	1,97,500	..	..	..	..	..	..	..	
179	39	B., B. & C. I. Railway Zoroastrian Association Death Benefit Fund, Bombay.	..	..	..	12,000	14,000	30,500	1,000	33,400	..	88,000	
180	40	Bengal Mercantile Life Insurance Co., Ltd., Calcutta.	1,42,100	..	..	1,000	..	900	..	100	..	..	
181	41	Bombay Zoroastrian Mutual Death Benefit Fund, Bombay.	..	..	..	..	..	..	..	2,00,000	..	..	
182	42	Bharati Bima Ltd., Benares.	25,000	..	..	..	..	..	..	..	..	..	
183	43	Bangalakshmi Insurance Ltd., Calcutta.	25,000	..	..	..	..	..	..	..	..	..	
184	44	Bombay Widows' Pension Fund Ltd., Bombay.	..	..	..	30,600	23,500	15,000	..	25,500	..	12,100	
185	45	Bombay Co-operative Insurance Society Ltd., Bombay.	..	..	5,700	29,000	3,000	61,000	10,000	64,500	27,000	..	
186	46	Bhagya Lakshmi Insurance Ltd., Calcutta.	79,500	..	..	5,500	2,000	14,000	1,000	11,000	..	..	
187	47	Bengal Co-operative Insurance Society Ltd., Calcutta.	14,000	..	..	26,400	2,000	600	..	3,000	..	..	

December 1937, deposited under Sec. 4 of the Indian Life Assurance Companies Act, VI of 1912.

4½% Loan.	5% Loan.			3% U. P. Loan 1952.	5% U. P. Bonds, 1944.	5½%	2¾% 1948-52.	Punjab Bonds.		3% U. P. Loan 1961-66.	3% Madras Government Loan 1952.	Total.
1955-60.	1940-43.	1945-55.	1939-44.			1938-40.		4% 1948.	3% 1952.			
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	95,000
..	..	..	..	..	..	..	..	..	..	..	..	31,000
..	..	..	..	..	..	..	..	..	..	..	..	45,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	55,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
2,00,000	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	50,000	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	78,100
..	..	..	..	..	..	..	..	..	..	..	..	75,000
..	..	..	..	..	..	..	..	..	..	..	..	47,000
..	..	1,000	1,000	..	..	2,000	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	71,000
..	..	..	..	..	..	..	..	..	..	..	..	35,300
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
...	...	...	...	...	...	...	...	...	...	...	...	25,000
..	..	1,20,000	..	..	..	49,500	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	43,100
..	..	..	..	..	..	..	..	..	..	..	..	48,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	2,00,000	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	2,500	..	..	..	..	..	2,00,000
..	..	17,000	..	..	..	7,100	..	..	..	..	..	2,03,000
..	..	..	..	..	..	..	..	..	..	..	..	1,44,100
	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	22,000	2,100	..	..	7,600	..	..	..	..	..	1,38,400
..	..	..	..	..	..	..	..	..	..	..	..	2,00,200
..	..	..	..	..	..	..	..	..	..	..	..	1,13,000
..	..	..	..	..	..	..	..	..	..	..	..	46,000

List of Government Promissory Notes, etc., in the custody of the Reserve Bank of India, Calcutta on the 3

Serial No.	Ledger Folio.	Name of the depositor.	3 % Loan.			3½% Loan.						4% Loan.
			1896-97.	1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.	1960-70.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
188	49	Bombay Postal Employers Co-operative Provident Fund Ld., Bombay.	...	...	...	...	...	...	...	...	...	...
189	50	Bombay Alliance Assurance Co., Ld., Bombay.	...	...	...	25,000	...	...	...	...	...	...
190	56	Commercial Insurance Co., Ltd., Bombay.	29,500	2,500	..	..	..	..	..	..	..	..
191	57	Champion General Insurance Co., Ld., Bombay.	17,000	5,000	5,000	8,000	..	..	..	..	..	..
192	58	Commonwealth Assurance Co., Ld., Poona.	95,600	..	..	11,500	14,400	19,000	..	38,500	..	..
193	59	Co-operative Assurance Co., Ld., Lahore.	2,00,000	..	..	..	..	..	..	..	..	..
194	60	Canara Mutual Assurance Co., Udipi. S. K.	..	..	..	..	25,000	..	..	25,000	..	..
195	61	Central Mutual Benefit Co., Ltd., Nagpur.	..	..	..	15,600	..	..	..	9,400	..	..
196	62	Christian Mutual Insurance Co., Ld., Lahore.	..	..	..	..	..	..	..	..	..	60,000
197	63	Calcutta Insurance Ld., Calcutta.	..	..	..	..	..	..	..	..	1,000	96,000
198	64	China Under-Writers Ld., Rangoon.	..	..	..	..	..	..	..	..	..	..
199	65	Central Life and General Assurance Co., Ld., Lahore.	25,000	..	..	..	..	..	..	..	..	..
201	66	Crescent Insurance Co., Ld., Bombay.	38,500	..	..	600	27,100	13,300	..	17,100	31,100	..
202	67	Central Mutual Life Assurance Society Ld., Bombay.	..	..	..	5,300	..	25,000	..	2,000	..	..
203	68	Crown Life Insurance Co., Canada.	..	..	..	..	..	..	..	2,00,000	..	..
204	69	Central Popular Assurance Co., Ld., Karachi.	..	..	..	2,200	500	27,000	..	5,300	..	..
205	75	Dominion Insurance Co., Ld., Calcutta.	42,500	..	..	..	..	..	..	..	..	..
206	76	Donation Union Link on Railways, Bangalore.	..	..	..	34,000	2,800	40,000	..	57,200	..	..
207	77	Deccan Assurance Co., Ld., Bezwada.	69,700	..	..	2,000	11,100	10,000	..	9,000	..	..
208	78	Depositors' Benefit Insurance Co., Ld., Bombay.	..	..	..	25,000	1,25,000	50,000	..	..	..	..
209	79	Dawn of India Life Insurance Co., Ld., Poona.	..	..	..	25,800	5,000	3,700	..	11,200	..	..
210	83	East and West Insurance Co., Ld., Bombay.	8,000	..	..	13,000	17,000	45,000	500	1,16,500	..	..
211	84	Equity Insurance Co., Ld., Lucknow.	25,000	..	..	..	..	..	..	..	..	..
212	85	East India Insurance Co., Ld., Calcutta.	76,800	..	..	1,500	3,000	3,500	100	8,600	..	..
213	86	Empire of India Life Assurance Co., Ld., Bombay.	..	..	..	..	..	..	..	..	..	2,00,000
214	87	Eastern National Insurance Co., Ld., Calcutta.	38,900	..	..	..	..	9,400	..	..	..	..
215	88	Eastern Federal Union Insurance Co., Ld., Calcutta.	..	..	..	..	..	..	..	..	..	25,000
216	89	E. B. Ry. Employees' Co-operative Benefit Society Ld., Calcutta.	...	...	...	10,000	8,000	...	...	13,000	...	...
217	93	Federal India Assurance Co., Ld., New Delhi.	56,000	..	..	..	..	..	..	..	..	..
218	94	Free India General Insurance Co., Ld., Cawnpore.	..	..	..	52,000	..	10,000	..	8,000	..	..
219	95	Forward Assurance Co., Ld., Bombay.	..	..	..	4,000	2,000	28,500	1,000	19,500	..	..
220	96	Frontier Insurance Co., Ld., Peshawar.	..	..	..	..	..	..	..	26,600	..	..
221	97	Foresight Insurance Co., Ld., Lahore.	25,000	...	...	...	...	...	...	...	...	...
222	98	Gujarat Parsee Mutual Death Benefit Fund, Surat.	..	..	..	31,000	50,000	7,500	1,000	84,500	..	27,700
223	99	General Assurance Trust (India) Ld., Bombay.	..	..	..	..	..	25,000	..	..	..	..

December 1937, deposited under Sec. 4 of the Indian Life Assurance Companies Act, VI of 1912.

4½% Loan.	5% Loan.			3% U. P. Loan, 1952.	5% U. P. Bonds, 1944.	5½% Loan.	2¾%	Punjab Bonds.		3% U. P. Loan, 1961-66.	3% Madras Government Loan, 1952.	Total.
1955-60.	1940-43.	1945-55.	1939-44.			1938-40.	1948-52.	4% 1948.	3% 1952.			
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	25,000	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	32,000
..	..	..	..	..	..	8,000	..	..	..	..	..	43,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	50,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	90,000	..	..	..	..	..	..	50,000	..	..	2,00,000
..	..	78,000	..	..	25,000	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	2,00,000	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	1,27,700
..	..	..	..	..	..	..	..	..	..	..	..	32,300
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	35,000
..	..	..	..	..	..	..	..	..	..	..	..	42,500
..	..	..	..	..	..	..	..	..	..	..	..	1,34,000
..	..	..	..	..	..	..	..	..	..	..	..	1,01,800
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	45,700
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	93,500
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	48,300
..	25,000	..	..	..	..	..	..	..	..	..	..	50,000
..	..	..	..	..	..	..	..	..	..	..	..	31,000
..	..	..	..	..	..	..	..	..	..	..	..	56,000
..	..	..	..	..	..	..	..	..	..	..	..	70,000
..	..	..	..	..	..	..	..	..	..	..	..	55,000
..	..	..	..	..	..	..	..	..	..	..	..	26,600
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	2,01,700
..	..	..	..	..	..	..	..	..	..	..	..	25,000

List of Government Securities, etc., in the custody of the Reserve Bank of India, Calcutta, on the 31st

Serial No.	Ledger Folio.	Name of the depositor.	3% Loan. 1896-97.	3% Loan. 1941.	3% Loan. 1951-54.	3½% Loan. 1842-43.	3½% Loan. 1854-55.	3½% Loan. 1865.	3½% Loan. 1879.	3½% Loan. 1900-01.	3½% Loan. 1947-50.	4% Loan. 1960-70.	4% Loan. 194[illegible].
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
224	100	Good-will Assurance Co., Ld., Satara.	25,000	..	..	..	..	1,000	..	2,000	..	..	..
225	101	Ganesh Insurance Co., Ld., Madras.	24,500	..	1,000	..	..	500	..	600	..	..	..
226	102	Great Asoka Assurance Co., Ltd., Patna.	72,500	..	..	..	..	6,000	10,000	5,000	..	..	..
227	104	Great Orient Insurance Co., Ld., Lahore.	33,700	..	..	..	..	..	..	15,000	..	..	..
228	105	Great Social Life and General Assurance Ld., Jalgaon, East Khandesh.	36,000	..	..	20,000	..	..	..	..	..	..	..
229	106	Great Eastern Life Assurance Co., Ld., Singapur.	..	..	..	2,000	1,73,500	20,000	2,000	2,500	..	..	..
230	107	Good Luck Insurance Co., Ld., Lahore.	25,000	..	..	..	..	..	..	..	..	..	..
231	108	Great Home Life Assurance Co., Ld., Fort, Bombay.	25,000	..	..	..	..	..	..	..	..	..	..
232	109	General Assurance Society, Ld., Ajmer.	..	..	..	600	70,600	43,700	..	85,100	..	..	..
233	110	Glory of India Insurance Co., Ld., Lahore.	25,000	..	..	..	..	..	..	..	..	..	..
234	111	Great Indian Peninsula Rly. Employees' Death Benefit Fund, Bombay.	..	..	..	..	10,000	17,000	..	40,000	..	..	..
235	112	Golden Eagle Insurance Co., Ld., Lahore.	45,000	..	..	..	..	..	..	..	..	..	..
236	113	Genuine Insurance Co., Ld., Calcutta.	44,800	..	..	8,000	5,000	9,500	..	22,700	..	..	..
237	114	Guardian of India Insurance Co., Ld., Madras.	..	2,000	100	..	..	..	..	..	..	..	..
238	115	Great Peninsular Insurance Co., Ltd., Madras.	38,000	..	..	..	..		..	..	..	..	..
239	121	Hukum Chand Life Assurance Co., Ld., Calcutta.	..	..	..	..	15,000	5,000	..	30,000	..	..	..
240	122	Himalaya Assurance Co., Ld., Calcutta.	25,000	..	..	..	..	..	..	..	1,75,000	..	..
241	123	Hercules Insurance Co., Ld., Calcutta.	..	..	..	..	..	..	..	..	..	..	..
242	124	Hindustani Bima Co., Ld., Lahore.	80,000	..	..	7,500	11,000	29,500	500	21,500	..	..	..
243	125	Hindustan Co-operative Insurance Society, Ld., Calcutta.	..	..	..	..	..	..	..	..	..	2,00,000	..
244	126	Hindustan Mutual Insurance Co., Ltd., Masulipatam.	1,200	..	..	..	25,000	..	..	7,000	..	..	..
245	127	Hindustan National Insurance Co., Ld., Lahore.	25,000	..	..	..	..	..	..	..	..	..	..
246	128	Hindu Mutual Life Assurance, Ld., Calcutta.	..	..	..	60,700	19,000	58,800	..	31,500	..	20,000	..
247	130	Hindustan Mutual Assurance Co., Ltd., Agra.	25,000	..	..	..	..	..	..	..	..	..	..
248	131	Happy India Insurance Co., Ld., Calcutta.	25,000	..	..	..	..	..	..	..	..	..	..
249	132	Hyderabad Pioneer Assurance Co., Ld., Hyderabad (Deccan).	25,000	..	..	..	..	..	..	..	..	..	..
250	134	India Life Benefit Assurance Society, Ld., Coimbatore.	52,000	..	..	6,500	11,000	10,700	..	30,100	..	..	..
251	135	Indian Progressive Insurance Co., Ld., Poona.	..	..	..	..	3,900	25,000	..	3,000	..	..	..
252	137	Industrial and Prudential Assurance Co., Ld., Bombay.	..	..	..	..	..	..	..	..	..	1,00,000	..
253	138	Indian Ordnance Mutual Assurance Fund, Kirkee.	..	..	..	..	..	..	..	..	..	93,900	..
254	139	Indian Mutual Life Association, Ld., Madras.	78,100	..	..	14,600	26,000	64,700	2,600	14,000	..	..	..
255	140	Indian Christian Provident Fund, Madras.	..	..	..	9,400	6,500	11,100	..	17,000	..	..	..
256	141	Indian Globe Insurance Co., Ld., Bombay.	..	50,000	1,00,000	..	500	..	..	..	..	..	30,0[illegible]
257	142	India Equitable Insurance Co., Ld., Calcutta.	..	..	..	..	..	..	..	..	1,50,000	50,000	..

December 1937, deposited under Sec. 4 of the Indian Life Assurance Companies Act, VI of 1912.

4½% Loan.	5% Loan.			3% U. P. Loan, 1952.	5 % U. P. Bonds, 1944.	5½%	2½%	Punjab Bonds.		3% U. P. Loan, 1961-66.	3% Madras Government Loan, 1952.	Total.
1955-60.	1940-43.	1945-55.	1939-44.			1938-40.	1948-52.	4% 1948.	3% 1952.			
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	28,000
..	..	..	..	..	..	..	2,500	..	..	..	6,000	35,100
..	..	..	..	..	..	..	..	..	..	..	..	93,500
..	..	..	..	..	..	4,000	..	..	..	..	..	52,700
..	..	..	..	..	..	..	..	..	..	..	..	56,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	67,000
..	..	..	..	..	..	..	..	..	..	..	..	45,000
..	..	..	..	..	..	..	..	..	..	..	..	90,000
..	2,900	..	..	..	..	..	1,20,000	..	..	..	..	1,25,000
..	..	..	..	..	..	..	..	..	..	..	..	38,000
..	..	..	..	..	..	..	..	..	..	..	..	50,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..		..	..	..	..	..	25,000	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	1,50,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	33,200
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	10,000	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	3,000	1,13,300
..	..	..	..	..	..	..	..	..	..	..	..	31,900
..	..	1,00,000	..	..	..	..	..	..	..	..	..	2,00,000
..	..	1,05,500	..	..	..	..	..	..	..	..	..	2,02,400
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	44,000
..	..	..	..	..	..	10,000	..	..	..	..	..	1,90,500
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000

List of Government Promissory Notes, etc., in the custody of the Reserve Bank of India, Calcutta on the 3

Serial No.	Ledger Folio.	Name of the depositor.	3 per cent. loan.			3½% Loan.							4% Loan.	
			1896-97.	1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.	1960-70.	19
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
		Brought forward											
258	143	Indian Life Assurance Co., Ld., Karachi.	..	..	..	..	..	..	..	..	..	2,00,000	..
259	144	Indian Circar Insurance Co., Ld., Madras.	25,000	..	..	..	..	..	..	..	..	..	..
260	145	Ideal Democratic Assurance and Mortgage Loans, Ld., Nagpur City.	83,700	..	..	11,000	..	..	..	..	..	..	..
261	146	Indian Mercantile Insurance, Co., Ld., Bombay.	..	..	..	..	50,000	..	..	60,000	..	..	..
262	147	Indian Economic Insurance Co., Ld., Calcutta.	33,000	..	..	..	..	..	..	..	..	..	..
263	149	Indo Union Assurance Co., Ld., Madras.	50,500	..	..	..	..	29,100	..	12,500	..	..	..
264	150	Provident Insurance Society, Karachi.	..	..	..	..	..	..	..	..	75,000	25,000	..
265	151	India Union Insurance Co., Ltd., Calcutta.	500	..	..	..	200	24,000	400	..	..	..	..
266	152	Indo-Burma Insurance Co., Ld., Madras.	26,000	..	..	1,100	1,200	500	..	2,100	..	..	..
267	153	Indian Mutual Provident Fund Insurance Co. Ld., Lahore.	50,000	..	..	..	..	..	..	..	..	..	..
268	154	Indo-Lanka Life Assurance Co., Ld., Madras.	..	..	..	..	..	..	..	..	..	..	..
269	155	Indian Insurance Ld., Dehra Dun.	10,000	15,000	25,000	18,700	16,400	29,500	3,500	22,800	..	..	..
270	156	India Oriol Assurance Co., Ltd., Amritsar.	25,000	..	..	..	..	..	..	..	..	..	..
271	157	Indus Insurance Co., Ltd., Lahore.	..	..	..	..	..	..	..	..	..	..	..
272	158	Indian Insurance Corporation Ltd., Lahore.	13,000	..	..	..	1,000	..	..	1,000	..	..	..
273	159	Indo-Asiatic Insurance Co., Ltd., Ajmer.	2,900	..	..	..	..	25,000	..	..	..	..	..
274	160	Investment Trustee and Insurance Corporation, Ld., Bombay.	25,000	..	..	..	..	..	..	..	..	..	..
275	161	Insurance of India, Ld., Comilla, Tipperah.	50,000	..	..	..	..	..	..	..	..	..	..
276	170	Jwala Assurance Co., Ld., Agra.	28,600	..	..	..	..	..	..	..	..	..	..
277	171	Jatiya Kalyan Insurance Society, Ld., Calcutta.	9,300	..	..	..	..	..	..	25,000	..	..	..
278	172	Jai Vijaya Insurance Co., Ld., Madras.	..	..	..	8,000	7,100	17,000	..	8,000	..	..	..
279	173	Jupiter General Insurance Co., Ld., Bombay.	..	..	..	..	..	..	..	..	..	2,00,000	..
280	176	Krishna Life Assurance Co., Ld., New Delhi.	33,800	..	..	..	..	..	..	..	..	..	..
281	178	Kaiser-i-Hind Insurance Co., Ld., Bombay.	..	..	..	..	..	..	..	..	50,000	..	..
282	182	Light of Asia Insurance Co., Ld., Calcutta.	1,12,700	..	..	1,100	1,600	1,100	..	9,000	—	..	..
283	183	Lakshmi Insurance Co., Ld., Lahore.	..	..	..	..	..	..	..	..	..	..	..
284	184	Long Life Insurance Co., Ld., Poona.	25,000	..	..	16,000	5,000	6,000	..	17,000	..	..	..
285	185	Life Insurance Home "India", Ld., Calcutta.	25,000	..	..	..	..	..	..	..	..	..	..
286	188	Mutual Assurance Co., Ld., Madras.	41,200	..	..	6,300	700	31,600	..	..	..	..	..
287	189	Midland Insurance Co., Ld., Madras.	..	..	..	7,000	..	..	25,000	..	..	..	..
288	190	Mangalore Roman Catholic Provident Fund, Mangalore.	2,000	..	..	20,600	25,000	81,500	5,000	40,000	..	25,900	..
289	191	Metropolitan Insurance Co., Ld., Calcutta.	89,100	..	..	39,000	11,000	12,000	28,000	21,000	..	..	..
290	192	Mutual Help Association, Simla	4,000	..	..	..	10,000	26,600	10,000	15,400	..	44,800	..
291	193	Modern Insurance Co., Ld., Bombay.	40,100	..	..	200	25,000	20,800	..	1,000	..	..	..
292	194	Modern India Life Assurance Co., Ld., Calcutta.	38,500	..	..	..	..	25,000	..	..	..	..	..

December 1937, deposited under Sec. 4 of the Indian Life Assurance Companies Act, VI of 1912.

4½% Loan.	5% Loan.			3 % U. P. Loan, 1952.	5 % U. P. Bonds, 1944.	5½%	2½%	Punjab Bonds.		3% U. P. Loan, 1961-66.	3 % Madras Government Loan 1952.	Total.
1955-60.	1940-43.	1945-55.	1939-44.			1938-40.	1948-52.	4% 1948.	3 % 1952.			
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	94,700
..	..	..	..	..	..	..	..	..	..	..	..	1,10,000
..	..	..	..	..	..	..	..	..	..	..	..	33,000
..	..	..	..	..	..	..	..	..	..	..	..	92,100
..	..	1,00,000	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,100
..	..	..	..	..	..	..	..	..	..	..	..	30,900
..	..	..	..	..	..	..	..	..	..	..	..	50,000
..	..	..	..	..	..	50,000	..	..	..	..	..	50,000
1,500	..	..	..	4,500	..	..	..	..	..	2,700	..	1,49,600
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	25,000	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	15,000
..	..	..	..	..	..	..	..	..	..	..	..	27,900
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	50,000
..	..	..	..	..	..	..	..	..	..	..	..	28,600
..	..	..	..	..	..	..	..	..	..	..	..	34,300
..	..	..	..	..	..	..	..	..	..	..	..	40,100
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	19,500	..	..	9,000	..	62,300
..	..	..	..	..	..	..	..	..	..	..	..	50,000
..	..	..	..	..	..	..	..	..	..	..	..	1,25,500
..	..	50,000	1,00,000	..	..	50,000	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	69,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	79,800
..	..	..	..	..	..	..	..	..	..	..	..	32,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,100
..	..	..	25,000	..	..	..	..	..	..	..	..	1,35,800
..	..	..	..	..	..	..	10,000	..	..	..	..	97,100
..	..	..	..	..	..	..	..	..	..	..	..	63,500

List of Government Promissory Notes, etc., in the custody of the Reserve Bank of India, Calcutta on the 31st December 193

Serial No.	Ledger Folio.	Name of the depositor.	3 per cent. Loan.			3½ per cent. Loan.						4 per cent. Loan.	
			1896-97.	1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.	1960-70.	194
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
293	195	Muslim India Insurance Co., Ld., Lahore.	25,000	..	..	..	..	..	..	..	..	..	..
294	196	Methodist Annuitant Society for India, Burma & Ceylon, Hyderabad, Deccan.	..	..	..	..	..	..	..	..	..	94,200	..
295	197	Meenakshi Insurance Co., Ltd., Madras.	..	..	..	..	..	25,000	..	..	..	..	..
296	198	Mohabir Insurance Co., Ld., Calcutta.	25,000	..	..	5,700	3,500	17,100	..	15,200	..	..	..
297	199	Mother India Life Assurance Co., Ltd., Madura.	20,200	..	..	..	..	..	..	..	..	..	..
298	200	Mysore Insurance Co., Ld., Bangalore.	12,500	..	..	12,500	..	..	..	..	..	..	..
299	206	Navabharat Insurance Co., Ld., Bombay.	14,000	..	..	15,000	500	27,000	1,500	9,000	..	..	..
300	208	New Swastik Life Assurance Co., Ltd., Bombay.	..	..	..	..	..	10,000	..	15,000	..	..	..
301	209	New Insurance, Ld., Benares	25,000	..	..	21,000	6,500	12,500	..	..	..	10,000	[illegible]
302	210	New Asiatic Life Insurance Co., Ld., Delhi.	1,50,000	..	..	36,000	..	13,000	..	1,000	..	..	..
303	211	New India Assurance Co., Ld., Bombay.	..	..	..	..	..	..	..	..	..	2,00,000	..
304	212	Nagpur Pioneer Insurance Co., Ld., Nagpur.	1,63,000	..	..	10,000	2,500	13,300	..	11,200	..	..	..
305	213	National Mercantile Insurance Co. (India), Ltd., Calcutta.	23,000	..	..	..	..	1,500	..	500	..	..	..
306	214	Northern India Insurance Co., Ld., Lahore.	60,000	..	..	..	..	..	..	10,000	..	..	..
307	215	National Indian Life Insurance Co., Ld., Calcutta.	..	..	..	..	..	..	..	..	..	2,00,000	..
308	216	National Insurance Co., Ld., Calcutta.	..	..	..	..	..	..	..	..	2,00,000	..	..
309	217	National Fire & General Insurance Co., Ld., Calcutta.	..	..	..	..	..	..	..	..	25,000	..	..
310	218	Neptune Assurance Co., Ld., Bombay.	73,400	..	..	..	25,000	10,000	..	25,000	..	..	..
311	219	National Mutual Assurance of India, Ld., Madras.	27,600	..	..	..	..	4,300	1,000	..	..	..	..
312	220	New State of India Insurance Co., Ld., Lahore.	29,000	..	..	..	..	..	..	..	..	..	..
313	221	Navajiban Insurance Co., Ld., Jalpaiguri.	43,000	2,000	..	..	..	..	..	2,000	1,000	..	..
314	222	Napier Insurance Co., Ld., Calcutta.	25,000	..	..	..	..	..	..	..	..	..	..
315	228	Oriental Government Security Life Assurance Co., Ld., Bombay.	..	..	..	..	..	..	..	2,00,000	..	..	..
316	231	Probartak Insurance Co., Ld., Calcutta.	38,800	..	..	..	..	..	..	..	..	..	..
317	232	Provincial Union Assurance, Ld., New Delhi.	30,000	..	..	..	..	..	..	25,000	..	..	..
318	233	Premier General Assurance Co., Ld., Patna.	31,000	..	..	..	..	1,000	..	..	..	..	..
319	234	Premier Insurance and Building Society, Ld., Madras.	..	25,000	33,000	..	..	..	..	..	..	..	..
320	235	Postal & R. M. S. Co-operative Benefit Fund, Ld., Madras.	..	..	..	..	..	..	..	25,000	71,000	15,300	..
321	236	People's Insurance Co., Ld., Lahore.	77,000	..	..	..	70,000	..	..	28,000	..	..	..
322	237	Probhat Insurance Co., Ld., Bombay.	20,000	..	..	..	..	..	..	25,000	..	..	..
323	238	Providential Insurance Co., Ltd., Aligarh.	25,000	..	..	..	..	..	..	..	..	..	..
324	239	Popular Insurance Co., Ld., Mangalore.	76,000	..	..	..	4,000	11,000	6,000	3,000	..	..	..
325	240	Presidency Life Insurance Co., Ld., Bombay.	28,000	..	..	..	5,000	75,500	..	10,000	..	..	..
326	241	Palladium Assurance Co., Ltd., Calcutta.	2,000	..	..	..	1,000	..	..	22,000	..	..	..
327	246	Raj Laxmi Mutual Insurance Society, Karachi.	..	..	..	..	..	..	..	..	..	..	..

[...deposited] under Section 4 of the Indian Life Assurance Companies Act, VI of 1912.

4½ per cent. Loan.	5 per cent. Loan.			3% U. P. Loan, 1952.	5% U. P. Bond, 1944.	5½ per cent.	2½ per cent.	Punjab Bonds.		3 per cent., U. P. Loan, 1961-66.	3% Madras Government Loan, 1952.	Total.
1955-60.	1940-43.	1945-55.	1939-44.			1938-40.	1948-52.	4 per cent. 1948.	3 per cent. 1952.			
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	2,000	..	27,000
..	..	51,200	20,800	..	..	..	..	..	..	..	..	1,66,200
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	66,500
..	..	..	..	..	..	..	..	..	..	..	..	20,200
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	67,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	27,000	..	..	..	..	..	..	..	..	..	..	1,02,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	2,000	..	..	..	40,000	5,000	..	..	..	1,17,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	25,000	38,000	..	..	..	..	1,96,400
..	..	..	..	..	..	..	..	..	..	..	..	32,900
..	..	..	..	..	..	..	..	..	..	..	..	29,000
..	..	..	..	..	..	2,000	..	..	..	..	..	50,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	38,800
..	..	..	..	..	..	..	..	..	..	..	..	55,000
..	..	..	..	..	..	..	..	..	..	..	..	32,000
..	..	..	..	..	..	42,600	..	..	..	..	..	1,00,600
..	12,500	..	3,500	..	..	40,400	2,300	..	..	..	..	1,70,000
..	..	..	..	..	25,000	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	45,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	1,00,000
..	..	..	..	..	..	..	..	..	..	..	..	1,18,500
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	30,000	..	..	..	..	..	..	..	..	..	30,000

List of Government Promissory Notes, etc., in the custody of the Reserve Bank of India, Calcutta on the 31st Decemb

Serial No.	Ledger Folio.	Name of the Depositor.	3 per cent. Loan.			3½ per cent. Loan.						4 per cent. Loan	
			1896-97.	1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.	1960-70.	194[illegible]
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
328	247	Reliance Assurance Co., Ld., Bangalore City.	..	..	8,300	..	..	25,000	..	..	..	..	..
329	248	Radical Insurance Co., Ld., Calcutta.	58,000	..	..	..	..	..	..	..	..	..	..
330	249	Rajasthan Insurance Co., Ld., Calcutta.	25,000	..	..	..	..	..	..	..	..	..	..
331	255	Swaraj Banking & Insurance Co., Ld., Dharwar.	..	..	..	3,000	7,500	1,000	..	8,500	..	..	..
332	256	Search Light Insurance Co., Ld., Lahore.	..	15,000	..	..	..	..	..	..	..	..	..
333	257	Sind Masters' Sahita Fund, Karachi.	..	..	..	..	..	..	..	25,000	50,000	..	..
334	258	South India Fire and General Insurance Co. (Coimbatore), Ld.	..	..	..	2,000	25,000	1,000	..	..	..	..	..
335	259	Sterling Insurance Co., Ld., New Delhi.	18,000	..	..	..	..	..	..	..	..	..	..
336	260	Star of India Insurance Co., Ld., Lahore.	54,000	..	23,000	10,000	..	..	..	..	10,000	..	..
337	261	Sentinel Assurance Co., Ld., Bombay.	..	..	..	25,000	7,000	..	..	15,000	..	..	..
338	262	Star of India Industrial & General Assurance Co., Ld., Madras.	1,41,700	..	..	..	..	..	..	..	..	..	..
339	263	South Indian General Assurance Co., Ld., Madras.	40,400	..	..	..	..	..	..	28,000	..	..	..
340	264	South India Co-operative Insurance Society, Ld., Madras	55,300	..	..	32,000	15,000	35,500	4,000	58,200	..	..	..
341	265	Swadeshi Bima Co., Ld., Agra.	89,400	..	..	34,200	45,000	200	..	31,200	..	..	..
342	266	Sun Light of India Insurance Co., Ld., Lahore.	..	..	..	16,600	20,900	1,11,000	..	52,500	..	..	..
343	267	Social Life Assurance, Ld., Nagpur.	25,000	..	..	..	..	..	..	6,500	..	..	..
344	268	Saraswati Insurance Co., Ld., Lahore.	25,000	..	..	..	..	25,000	..	..	..	..	..
345	269	Shree Life Assurance Co., Ld., Bombay.	95,100	..	..	6,000	6,000	7,000	..	25,000	..	1,000	..
346	270	Sree Guru Nanak Provident and Assurance Co., Ld., Hyderabad Sind.	5,000	..	..	13,000	1,000	51,000	..	10,000	..	..	..
347	271	Servants of India Insurance Co., Ld., New Delhi.	76,100	..	..	..	3,000	3,000	..	27,000	..	..	..
348	272	Sunshine Insurance Ld., Lahore.	38,100	..	..	..	..	..	..	..	..	..	..
349	274	Sakti Insurance Co., Ld., Ambala.	25,600	..	..	..	..	..	..	..	..	..	..
350	275	Sylvan Star Insurance Trust Ltd., Delhi.	35,000	..	..	..	..	..	..	..	..	..	..
351	276	Sahyadri Insurance Co., Ltd., Nasik City.	25,000	..	..	..	..	..	..	..	..	..	..
352	285	Tarun Assurance Co., Ld., Bombay.	17,200	..	..	..	1,200	3,000	..	25,000	..	..	..
353	286	Taj Insurance Co., Ld., Lahore	36,000	..	..	..	1,200	2,000	..	2,800	..	..	..
354	287	Trust of India Assurance Co., Ld., Poona.	..	..	..	..	..	25,000	..	..	..	..	..
355	288	Tinnevelly Diocesan Council Widows Fund, Palam Cottah Tinnevelly.	..	..	..	..	5,700	96,300	..	600	..	1,300	..
356	289	Tropical Insurance Co., Ld., New Delhi.	1,03,000	..	..	..	25,500	46,500	..	16,300	..	..	..
357	290	Tilak Insurance Co., Ld., New Delhi.	25,000	..	..	..	..	..	..	..	..	..	..
358	295	United Assurance Ld., Calcutta.	50,800	..	..	..	..	..	..	..	..	..	..
359	296	United Karnatak Insurance Co., Ld., Dharawar (Bombay).	10,600	..	..	300	900	3,700	1,300	26,200	..	..	..
360	297	United India Life Assurance Co., Ld., Madras.	..	..	..	..	..	..	..	..	..	2,00,000	..
361	298	United National Insurance Co., Ltd., Karachi.	56,600	..	..	..	..	20,300	..	5,000	..	..	..

1937, deposited under Section 4 of the Indian Life Assurance Companies Act, VI of 1912—*contd.*

4½ per cent. Loan.	5 per cent. Loan.			3% U. P. Loan, 1952	5% U. P. Bond, 1944	5½ per cent.	2½ per cent.	Punjab Bonds.		3 per cent. U. P. Loan, 1961-66.	3% Madras Government Loan, 1952.	Total.
1955-60.	1940-43.	1945-55.	1939-44.			1938-40.	1948-52.	4 per cent. 1948.	3 per cent. 1952.			
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	33,300
..	..	..	..	..	..	..	..	..	..	..	..	58,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	1,000	5,000	..	..	..	..	..	..	..	..	26,000
..	..	..	..	..	..	..	..	..	..	..	..	15,000
..	..	..	..	..	..	..	..	..	..	..	..	75,000
..	..	..	..	..	..	..	..	..	..	..	..	28,000
..	..	..	..	..	..	..	25,000	..	..	..	..	43,000
..	..	..	..	..	..	..	12,300	..	..	..	..	1,09,300
..	..	..	..	..	..	..	..	..	..	..	..	47,000
..	..	..	..	..	..	..	..	..	..	..	..	1,41,700
..	..	..	..	..	..	..	..	..	..	..	..	68,400
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	2,01,000
..	..	..	..	..	..	..	..	..	..	..	..	31,500
..	..	..	..	..	..	..	..	..	..	..	..	50,000
..	..	..	..	..	..	..	..	..	..	..	..	1,40,100
..	..	..	15,000	..	..	..	..	..	..	..	..	95,000
..	..	..	..	..	..	..	..	..	..	..	..	1,09,100
..	..	2,000	..	..	..	..	12,000	..	..	..	..	52,100
..	..	..	..	..	..	..	..	..	..	..	..	25,600
..	..	..	..	..	..	..	..	..	..	..	..	35,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	46,400
..	..	..	..	..	..	..	..	..	..	..	..	42,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	1,03,900
..	..	..	..	..	..	..	..	..	..	..	..	1,91,300
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	50,800
..	..	..	..	..	..	..	..	..	..	..	..	43,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	81,900

List of Government Promissory Notes, etc., in the custody of the Reserve Bank of India, Calcutta on the 31st December 1937.

Serial No.	Ledger Folio.	Name of the depositor.	3 per cent. Loan.			3½ per cent. Loan.						4 per cent. Loan.	
			1896-97.	1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.	1960-70.	1943.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
362	299	Unique Assurance Co., Ltd., Calcutta.	1,72,800	..	..	1,200	25,000	1,000	..	..	..	..	..
363	300	Unity Insurance Co., Ltd., Lahore.	25,000	..	..	1,500	..	..	..	..	..	..	..
364	301	Universal Fire and General Insurance Co., Ltd., Bombay.	..	..	..	..	15,000	..	..	10,000	..	..	..
365	302	Universal Protector Insurance Co., Ld., Calcutta.	25,000	..	..	..	..	..	..	..	..	..	..
366	307	Victory Insurance Co., Ltd., Lahore.	25,000	..	..	..	8,000	2,000	3,000	9,000	..	..	..
367	308	Venus Assurance Co., Ltd., Delhi.	6,000	..	..	41,000	49,500	40,200	3,000	60,300	..	..	..
368	309	Vijayalaksmi General Assurance Co., Ltd., Madras.	25,800	..	..	5,000	35,000	21,100	..	27,600	8,000	..	..
369	310	Vikram General Assurance, Ld., Bombay.	..	..	..	..	25,000	..	..	..	..	..	..
370	311	Van Guard Insurance Co., Ld., Madras.	25,000	..	..	..	..	..	..	..	..	..	..
371	312	Western India Life Insurance Co., Ltd., Satara.	34,000	..	..	..	1,66,000	..	..	..	..	..	
372	313	World Wide Assurance, Ltd., Bombay.	14,000	..	..	..	4,000	2,000	..	5,000	..	..	..
373	314	Winterthur Swiss Life Assurance Co., Ltd., Bombay.	..	..	..	..	..	..	..	2,00,000	..	..	..
374	315	Warden Insurance Co., Ltd., Ahmedabad.	1,61,400	..	..	..	..	..	..	..	..	..	..
375	318	Young India Assurance Co., Ltd., Calcutta.	30,500	..	..	1,000	..	..	..	..	..	..	
376	320	Zenith Life Assurance Co., Ltd., Bombay.	..	..	..	..	5,000	..	..	..	..	..	

...posited under Section 4 of the Indian Life Assurance Companies Act, VI of 1912—*concld.*

4½ cent. Loan.	5 per cent. Loan.			3 per cent.	5 per cent. U. P. Bonds, 1944.	5½ per cent. 1938-40.	2¾ per cent.	Punjab Bonds.		3 per cent. U. P. Loan, 1961-66.	3 per cent. Madras Government Loan, 1952.	Total.
55-60.	1940-43.	1945-55.	1939-44.	U. P. Loan, 1952.			1948-52.	4 per cent. 1948.	3 per cent. 1952.			
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	26,500
..	..	..	..	..	..	..	14,000	..	..	..	..	39,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	47,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	17,500	..	10,000	..	..	..	..	..	..	..	..	1,50,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	25,000
..	..	..	..	..	..	..	..	..	..	..	..	2,00,000
..	..	..	..	..	..	..	..	..	..	..	..	1,61,400
..	..	..	..	..	..	..	..	..	..	..	..	31,500
..	..	..	48,000	..	..	1,50,000	..	..	..	..	..	2,03,000

List of Government Promissory Notes, etc., in the custody of the Reserve Bank of India, Calcutta, on the 31st

Serial No.	Ledger Folio.	Name of the depositor.	3% Loan.			3½% Loan.						4% Loan.	
			1896-97.	1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.	1960-70.	1943.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
		Collateral Securities for drawing Interest on lost, etc., G.P. Notes.											
377	347	Durga Prosad Banerjee, Guardian of Ajit Kumar Banerjee and Ranajit Kumar Banerjee (minors), Calcutta.	..	..	..	..	..	600	..	1,000	..	..	..
378	347	Bharat Chandra Dhar, Calcutta.	..	..	..	..	..	..	..	300	..	..	..
379	348	Estate of Ananta Ram De, Calcutta.	..	..	..	..	..	..	..	..	..	..	..
380	348	Bejoy Gopal Bandopadhaya and Srimati Sarojini Debi, Nadia.	..	..	..	..	1,000	..	..	..	..	..	..
381	348	Beni Madhab Chaki Naogaon, Rajshahi.	..	..	..	..	7,000	..	..	..	..	..	..
382	349	B. E. Fitzgerald, minor, through guardian F. A. Fitzgerald.	..	..	..	..	..	..	..	600	..	..	..
383	349	Mrs. I. Ferro c/o. Mgr. M. K. Gomes, Bombay.	..	..	..	..	..	..	..	..	..	..	..
384	350	Chabildas Damoder, Dwarkadas Vallabhdas, Nagindas Madhanji and Magan Lal Iswarlal or any three of them c/o Messrs. Mehta Lalji & Co., Bombay.	..	..	..	..	..	..	..	..	..	..	..
385	351	Silvertown Lubricants (India), Ltd. c/o F. W. Hielgers & Co., Calcutta.	..	..	..	..	..	..	..	..	..	5,500	..
386	351	Bai Jadav Bai c/o. Dwarka Das Ghisu Lal, Hyderabad, Deccan.	..	..	..	..	..	..	..	..	..	..	..
387	352	Divisional Forest Officer, Western Division, Kanara, Bombay.	..	..	..	..	..	..	..	..	1,500	..	..
388	352	Valabhdas Jibandas, Harilal Panachand Shah and Monsukhlal Chhotelal Kothari, Bombay.	..	..	..	..	..	10,000	..	..	..	..	..
389	353	Jagadish Ch. Sett, Hooghly .	..	..	..	..	..	..	..	500	..	..	..
390	353	Nemaicharan Laha, Chandernagore.	..	..	..	..	..	..	..	6,000	..	..	..
391	354	Kartik Ram, and Tarapada De or any one of them Calcutta.	..	..	..	..	..	..	..	..	..	..	..
392-3	355	Estate of Mahadeo Prosad c/o The Army and Police Equipment Supply Co., Cawnpore.	..	..	..	..	..	..	..	..	..	..	..
394	355	Nilmony Addy, Calcutta .	..	..	..	..	..	..	..	5,000	..	..	..
395	356	Udairaj c/o Secretary, Board of Trustees Sir Protap High School, Jodhpur.	..	..	..	..	..	..	..	..	..	..	..
396	357	Debi Prosad Nimazganj, Lucknow.	..	..	..	..	1,000	..	..	..	..	..	..
397	,,	Mrs. Sarah N. Javeri, Cawnpore.	..	..	..	..	..	300	..	..	..	..	..
398	358	Pearey Mirza c/o T. O., Lucknow.	..	..	..	..	1,400	..	..	..	..	..	..
399	,,	Sarat Kumari Dassi, Calcutta	..	..	..	..	..	..	..	..	..	..	..
400	359	Somendra Nath Datta, Chandernagore.	..	..	..	..	1,000	..	..	..	..	..	..
401	360	Shasi Bhnusan Basu, Howrah	..	..	..	..	..	..	..	..	..	..	..

December 1937, deposited under para 80(*a*) of the Government Securities Manual, 2nd Edition.

4½% Loan.	5% Loan.			3% U. P. Loan, 1952.	5% U. P. Bonds, 1944.	5½% Loan.	2¾%	Punjab Bonds.		3% U. P. Loan 1961-66.	3% Madras Government Loan, 1952.	Total.
1955-60.	1940-43.	1945-55.	1939-44.			1938-40.	1948-52.	4 per cent. 1948.	3% 1952.			
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	1,600
..	..	..	..	..	..	..	..	..	..	..	..	300
..	..	1,100	..	..	..	..	..	..	..	..	..	1,100
..	..	..	..	..	..	..	..	..	..	..	..	1,000
	..	..	..	..	..	..	..	..	..	..	..	7,000
..	..	..	..	..	..	..	..	..	..	..	..	600
100	..	..	..	..	..	..	..	..	..	..	..	100
..	..	500	..	..	..	..	..	..	..	..	..	500
..	..	..	..	..	..	..	..	..	..	..	..	5,500
..	..	..	600	..	..	..	..	..	..	..	..	600
..	..	..	..	..	..	..	..	..	..	..	..	1,500
	..	..	..	..	..	..	..	..	..	..	..	10,000
..	..	..	..	..	..	..	..	..	..	..	..	500
..	..	..	..	..	..	..	..	..	..	..	..	6,000
..	..	400	..	..	..	..	..	..	..	..	..	400
..	..	..	46,200	..	..	..	..	..	..	..	..	46,200
..	..	..	..	..	..	..	..	..	..	..	..	5,000
..	..	400	..	..	..	..	..	..	..	..	..	400
..	..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	..	300
..	..	..	..	..	..	..	..	..	..	..	..	1,400
3,700	..	..	..	..	..	..	..	..	..	..	..	3,700
..	..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	2,500	..	..	..	..	..	..	..	..	..	2,500

List of Government Promissory Notes, etc., in the custody of the Reserve Bank of India, Calcutta, on the 31st

Serial No.	Ledger Folio.	Name of the depositor.	3% Loan.			3½% Loan.						4% Loan.	
			1896-97.	1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.	1960-70.	1943.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
		Collateral Securities for drawing Interest on lost, etc., G. P. Notes.—contd.											
402	360	Tarapada De, Calcutta.	..	..	..	..	..	..	..	1,500	..	..	..
403	361	Gangubai Krishnarao Kirtikar, Bombay Suburbs.	..	..	..	..	300	200	..	100	..	..	..
404	,,	Md. Woomed Khan, Dacca .	..	..	..	..	..	1,000	..	..	..	..	..
405	362	J. M. Basal, c/o Chogalal Madanlal, Bombay.	..	..	500	..	..	..	..	..	..	..	..
406	,,	Hanskumar, P. O., Timarni, Hoshangabad, C. P.	..	..	..	..	..	..	..	..	..	300	..
407	363	Shankar Ranoji Jadav, Savda, E. K.	..	..	300	..	..	..	..	..	..	..	..
408	,,	Durga Kinkar Chatterjee, Burdwan.	..	..	..	2,000	5,000	1,000	..	..	..	..	..
409	364	Lachhmidat and Suraj Narain, Dist. Sultanpur.	..	..	..	..	..	1,000	..	..	..	..	..
410	364	Krishna Prasad Bhargava c/o Messrs. Girdhar Lal, Vakil, Agra.	..	..	..	..	..	..	..	300	..	..	..
411	365	Kshettra Mohan Gupta, Calcutta.	..	..	..	..	..	..	..	..	..	100	..
412	,,	Messrs. Gulraj Jaidayal, Calcutta.	..	..	..	..	..	..	..	..	..	..	..
413	366	Must. Phulbasa, widow of Pt. Sheo Narain Misra, Cawnpore.	..	..	..	..	..	12,000	..	..	..	..	..
414	366	Somnath Jha, District Darbhanga.	..	..	..	..	11,200	..	..	..	..	..	..
415	367	R. D. Master & Dinamae R. Master, Bombay.	..	..	..	200	..	..	..	..	..	..	..
416	367	Raja Sarat Chandra Rai Choudhuri, Calcutta.	..	..	..	..	..	..	100	2,000	..	..	..
417	368	Ludhiana Central Co-operative Bank Ltd., Ludhiana.	..	..	..	..	..	..	..	..	500	..	..
418	371	Raghu Nath Prasad Pathak, Calcutta.	..	..	..	..	..	..	..	..	..	..	..
419	,,	Shankerlal Chowbay, Calcutta.	..	..	..	300	..	..	..	..	..	..	..
420	372	Soonabai Rustomji Batlivalla, Bombay	..	..	..	..	..	..	..	500	..	..	..
421	373	Vaikunthlal Vajiram Mehta, Surat.	..	..	..	..	..	..	..	5,000	..	5,000	..
422	373	Sant Ram Hakim, c/o Chiranjit Lal, Pleader, Peshawar.	..	..	..	..	..	..	..	..	..	..	..
423	374	Nibaran Chandra Guha Mustofee, Jogendra Nath Sen and Syam Chand Basak, Dacca.	..	..	..	300	..	..	..	..	..	..	..
424	374	Bai Chanchal Manishanker, East Bhatwado, Visnagar (N. G.).	..	..	..	..	..	..	..	..	400	..	..
425	375	Dewan Bahadur Kesrising Chandmal, Bombay.	..	..	..	..	..	..	..	..	..	..	..

December 1937, deposited under para. 80(*a*) of the Government Securities Manual, 2nd Edition—*contd.*

4½% Loan.	5% Loan.			3% U. P. Loan, 1952.	5% U. P. Bonds, 1944.	5% Loan.	2½%	Punjab Bonds.		3% U. P. Loan, 1961-66.	3% Madras Government Loan, 1952.	Total.
1955-60.	1940-43.	1945-55.	1939-44.			1938-40.	1948-52.	4 per cent. 1938.	3% 1952.			
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	1,500
..	..	..	..	..	..	..	..	..	..	..	..	600
..	..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	..	500
..	..	..	..	..	..	..	..	..	..	..	..	300
..	..	..	..	..	..	..	..	..	..	..	..	300
..	..	..	..	..	..	..	..	..	..	..	..	8,000
..	..	..	..	..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	..	..	..	..	300
..	..	500	..	..	..	..	..	..	..	..	..	600
..	..	2,100	..	..	..	..	..	..	..	..	..	2,100
..	..	..	..	..	..	..	..	..	..	..	..	12,000
..	..	..	..	..	..	..	..	..	..	..	..	11,200
..	..	..	..	..	..	..	..	..	..	..	..	200
..	..	..	..	..	..	..	..	..	..	..	..	2,100
..	..	..	..	..	..	..	..	..	..	..	..	500
..	..	200	..	..	..	..	..	..	..	..	..	200
..	..	..	..	..	..	..	..	..	..	..	..	300
..	..	..	..	..	..	..	..	..	..	..	..	500
..	..	5,000	..	..	..	..	..	..	..	..	..	15,000
..	..	..	..	..	..	500	..	..	..	..	..	500
..	..	..	..	..	..	..	..	..	..	..	..	300
..	..	..	..	..	..	..	..	..	..	..	..	400
..	..	500	..	..	..	..	..	..	..	..	..	500

List of Government Promissory Notes, etc., in the custody of the Reserve Bank of India, Calcutta, on the 31st December 1937, deposited under Article 84(*a*), Government Securities Manual, 2nd Edn.

Serial No.	Ledger Folio.	Names of Persons or Fund on whose behalf held.	3 per cent.	3½ per cent.	4 per cent. and 4½ per cent.	5 per cent. and 5½ per cent.	6 per cent. and 6½ per cent.	Post Office Cash Certificates.	Debentures.	TOTAL.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	14	Controller of the Currency, Calcutta—								
		J. Connel	..	..	..	200	..	..	..	200
		D. Cotton	..			200	..	..	..	200
		Captain R. H. Felton	..	..	..	800	..	..	..	800
		T. Findlay	..	..	..	200	..	..	..	200
		M. Miller	..	..	..	700	..	..	..	700
		Shivkaran Kunjilal	..	..	..	100	..	..	..	100
		R. Sutherland	..	..	..	200	..	..	..	200
	15	Deputy Controller, Stationery, Calcutta— Abdur Rahaman Khan	..	800	..	..	..	..	..	800
		Amritalal Ojha & Co. Ltd	..	..	..	1,000	..	..	..	1,000
		Anadi Nath Chakravarty	..	..	..	..	..	260	..	260
		K. Banerjee, Contractor	..	..	..	..	..	500	..	500
		Bengal Chemical and Pharmaceutical Works	..	200	..	..	..	..	..	200
		Bengal Industrial Co.	..	500	..	2,000	..	..	..	2,500
		Bengal Paper Mills Co., Ld.	..	..	2,000	..	..	..	..	2,000
		Bengal Miscellany Ld.	..	3,000	..	..	..	..	..	3,000
		Bengal Potteries Ld.	..	..	..	..	..	60	..	60
		Bengal Stores Supply Co.	..	300	..	..	..	..	..	300
		Bharat Carbon & Ribbon Manufacturing Co.	..	..	..	..	..	2,270	..	2,270
		Bonner & Co.	..	..	..	..	..	80	..	80
		Butto Krishna Neogy	..	..	..	..	..	60	..	60
		J. Callarman & Co.	..	..	..	..	..	830	..	830
		Debendra N. Das, Contractor.	..	100	..	..	..	..	..	100
		Deccan Paper Mills Co., Ld.	..	1,100	..	..	..	..	..	1,100
		N. Dott	..	..	..	..	..	10	..	10
		K. N. Dutt & Co.	..	..	..	..	..	40	..	40
		Erphan Ali	..	..	..	..	..	100	..	100
		S. Gandy & Co.	..	..	..	100	..	..	..	100
		Ganges Printing Ink Factory Ld., Calcutta.	..	..	..	..	..	160	..	160
		D. Gestetner Ld.	..	..	..	..	..	4,750	..	4,750
		Gocool Ch. Law	..	400	..	400	..	..	..	800
		F. N. Gooptu & Co.	..	..	..	1,100	..	..	..	1,100

List of Government Securities, etc.—*contd.*

Serial No.	Ledger Folio.	Names of Persons or Fund on whose behalf held.	3 per cent.	3½ per cent.	4 per cent. and 4½ per cent.	5 per cent. and 5½ per cent.	6 per cent. and 6½ per cent.	Post Office Cash Certificates.	Debentures.	TOTAL.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	15	Deputy Controller, Stationery, Calcutta—*contd.*								
		Gour Chunder Das (Chatra Rope Factory).	..	..	300	..	..	..	..	300
		Hari Sadhan De & Bros.	..	200	..	..	..	..	..	200
		Graphic Machinery & Appliance Ltd.	..	..	..	..	..	60	..	60
		Haji Haider Bux H. Nanney Mia	..	..	..	..	..	60	..	60
		Imperial Chemical Industries (India) Ld.	..	..	..	..	..	120	..	120
		India Paper Pulp Co., Ld.	15,000	..	..	..	..	..	..	15,000
		John Dickinson & Co.	..	..	..	..	..	1,830	..	1,830
		Jatindra Nath Nandy	..	..	..	..	..	100	..	100
		Jugal Kishore Das	..	..	..	..	..	10	..	10
		Khoda Bux	..	..	..	..	..	200	..	200
		W. Koreska	..	3,200	..	..	..	..	..	3,200
		Kores India Ltd.	100	100	..	..	..	..	..	200
		Kuver Ld.	..	..	..	..	..	3,500	..	3,500
		Lal Chand & Sons	1,100	..	..	..	..	..	..	1,100
		Leyland & Birmingham Rubber Co. (India), Ld.	..	100	..	..	..	..	..	100
		Lila & Co.	..	..	..	..	..	50	..	50
		Madras Pencil Factory, Madras.	..	..	..	..	..	400	..	400
		Nilmoney Halder & Co.	..	500	..	..	..	..	..	500
		Noor Mohammad	..	..	..	..	..	2,040	..	2,040
		Purnendu Singha	..	..	..	..	..	310	..	310
		Remington Typewriter Co.	..	..	..	..	..	3,400	..	3,400
		Standard Industrial Works.	..	400	..	..	..	..	..	400
		T. H. Stanton	..	..	..	..	..	2,150	..	2,150
		Strawboard Mfg. Co.	..	1,000	..	..	..	..	..	1,000
		Sudhir Kumar Seal	..	..	..	..	..	200	..	200
		Syamapada Mullick	500	..	..	..	..	..	..	500
		Tara Prosad Ghosh	..	..	..	..	..	370	..	370
		Union Trading & Mfg. Co.	300	..	..	1,000	..	..	..	1,300
		Upper India Couper Paper Mills Co., Ld.	..	1,000	..	500	..	..	..	1,500
		B. S. Vakharia & Co.	..	500	..	..	..	..	..	500
		Wiggins, Teape & Alex Piere (Export) Ld.	..	..	..	..	..	5,600	..	5,600

List of Government Securities, etc.—*concld.*

Serial No.	Ledger Folio.	Names of persons or fund on whose behalf held.	3 per cent.	3½ per cent.	4 per cent. and 4½ per cent.	5 per cent. and 5½ per cent.	6 per cent. and 6½ per cent.	Post Office Cash Certificates.	Treasury Bills, Debentures, etc.	TOTAL.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	28(*a*)	Executive Officer, Secunderabad Cantonment, Secunderabad (Deccan)—								
		R. Ramana . .	..	200	..	..	..	..	..	200
	28(*d*)	General Manager, Rajputana Salt Sources, Sambhar Lake—								
		Magan Mal . .	..	500	..	..	..	..	..	500
	31	Manager, Government of India Press, Calcutta—								
		K. N. Dutt of Messrs. K. N. Dutt & Co.	..	300	..	..	..	..	..	300
	31(*a*)	Master of the Mint, Calcutta—								
		Akshoy Kumar Datta .	..	..	..	..	..	200	..	200
		Benoy Kumar Mitra .	..	..	..	..	..	100	..	100
		Dwijendra Nath Ghosh, Asstt. Bullion Keeper.	..	..	..	..	..	700	..	700
		Jogesh Chandra Chakravorty . . .	..	..	..	..	..	100	..	100
		Ram Chandra Dutt .	..	..	..	..	..	700	..	700
		Bhupendra Nath Ghosh, Assistant Bullion Keeper . . .	..	..	..	..	..	100	..	100
		Bibuty Bhushan Mukherjee, Assistant Bullion Keeper . . .	..	..	..	..	..	200	..	200
		J. W. Smurthwaite .	..	..	..	..	..	1,100	..	1,100
		Pashupaty Ghosh . .	..	..	..	..	..	100	..	100
		Surendra Nath Bhattacharjee, Assistant Bullion Keeper . .	..	..	..	..	..	200	..	200
		Bepin Behary Mitra .	..	..	..	..	..	100	..	100
		Haran Chandra Mitra .	..	..	..	..	..	100	..	100
		Suresh Chandra Mukherji, Assistant Bullion Keeper . . .	..	..	..	..	..	200	..	200
	37(*g*)	Secretary, Government of Sind— Government of Sind .	..	..	..	..	..	..	2,35,00,000	2,35,00,000
	37(*b*)	The Secretary, Indian Research Fund Association Simla, Indian Research Fund Association	..	..	..	..	..	..	7,75,000	7,75,000
	42	Collateral Security for lost G. P. Notes Dinoo Dinshaw Watcha & another . . .	..	..	..	..	..	..	2,000	2,000

Ledger Folio.	Name of the depositor.	Post Office cash certificates.
4	Agarwall Assurance Society, Ld., Ajmer	10,000
15	Argus Insurance Company, Ld., Ahmedabad	10,000
56	Commercial Insurance Co., Ld., Bombay	4,100
85	East India Insurance Co., Ld., Calcutta	10,000
149	Indo Union Assurance Co., Ld., Madras	10,000
155	Indian Insurance Ld., Dehra Dun	7,000
158	Indian Insurance Corporation, Ld., Lahore	10,000
172	Jai Vijaya Insurance Co., Ld., Madras	10,000
182	Light of Asia Insurance Co., Ld., Calcutta	5,500
188	Mutual Assurance Co., Ld., Madras	4,300
193	Modern Insurance Co., Ld., Bombay	3,000
195	Muslim India Insurance Co., Ld., Lahore	10,000
199	Mother India Life Assurance Co., Ld., Madura	5,000
214	Northern India Insurance Co., Ld., Lahore	10,000
218	Neptune Assurance Co., Ld., Bombay	5,000
235	Postal and R. M. S. Co-operative Benefit Fund, Ld., Madras	10,000
256	Search Light Insurance Co., Ld., Lahore	10,000
260	Star of India Insurance Co., Ld., Lahore	10,000
272	Sun-Shine Insurance, Ld., Lahore	8,860
285	Tarun Assurance Co., Ld., Ahmedabad	8,000
286	Taj Insurance Co., Ld., Lahore	10,000
289	Tropical Insurance Co., Ld., New Delhi	8,700
352	Divisional Forest Officer, Western Division, Kanara	1,290
369	Sudhir Kumar Mukherjee, Calcutta	160
370	Mr. Sadanand, New Delhi	250
371	Mukunda Rao Panji, Jamshedpur	310
372	Chugon Lall Gandhi and Co., Bombay	450
375	Miss E. J. R. Newing, C/o Manager Jawala Bank, Agra	3,000
387	Controller of the Currency on a/c Babu Indra Narayan Ghosh	1,200

The following Government Promissory Notes were received but not converted into Book debt certificates during the year 1937.

Case No.	From whom received.	Nominal Value.
		Rs.
472	Victory Insurance Co., Ld., Lahore	3,000
473	Himalaya Assurance Co., Ld., Calcutta	25,000
475	Aryan Life Assurance Society, Ld., Bombay	800
476	Star of India Industrial and General Assurance Co., Ld., Madras	2,600
480	Genuine Insurance Co., Ld., Calcutta	11,000
485	Servants of India Insurance Co., Ld., New Delhi	3,000
486	Presidency Life Insurance Co., Ld., Bombay	25,000
487	Tilak Insurance Co., Ld., New Delhi	10,000
488	Arya Insurance Co., Ld., Sylhet	3,000
489	Adarsha Bima Co., Ld., Allahabad	10,000
490	Indian Progressive Insurance Co., Ld., Poona	10,100
492	Guardian of India Insurance Co., Ld., Madras	50,000
493	Great Social Life and General Assurance Ld., Jalgaon	16,000
494	Dawn of India Life Insurance Co., Ld., Poona	4,500
495	Eastern National Insurance Co., Ld., Calcutta	700
496	Hukumchand Life Assurance Co., Ld., Calcutta	10,000

L. PERTWEE.

Manager.

RESERVE BANK OF INDIA, CALCUTTA;

The 24th May 1938.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

Simla, the 1st June 1938.

No. T.-51.—Under the powers delegated to him in the Government of India, Department of Industries and Labour, Notification, No. V7 (i), dated the 31st May 1937, and in pursuance of sub-rules (2) and (3) of Rules 67 of the Indian Aircraft Rules, 1937, the Director of Civil Aviation in India is pleased to issue the following instructions for the maintenance of Aircraft, Engine and Journey Log Books:—

I. Aircraft Log Book:

The Aircraft Log Book shall be in the following form:

(*Page 1.*)

AIRCRAFT LOG BOOK.

INSTRUCTIONS FOR USE.

1. The constructor shall fill in and sign the original entries in this Log Book as far as he is in a position to do so. Subsequent entries shall be made and signed by the Pilot or other competent person.
2. All entries are to be made in ink.
3. No erasures are to be made in, nor pages torn from this Log Book.
4. The Ground Engineer concerned will sign entries relating to any repairs for which he is responsible.
5. Such information as constructor's notes, rigging and installation diagrams, particulars of "bonding," etc., should be affixed to the binding slips provided for the purpose.
6. Records of service will be entered up from the Journey Log Book, one Line being used for each flight. In the case of instructional flights involving numerous landings, the total duration of the flights may be given, a note being made in the remarks column of the total number of landings.
7. This Log Book shall be produced, on demand, for the inspection of any authorised person.

(*Page 2.*)

AIRCRAFT.

Type

Nationality

Registration Marks

Certificate of Airworthiness

Total Authorised Weight of Aircraft, including all items of load

Number of Seats—For Crew For Passengers

Total Capacity of Tanks—Petrol Oil

Type of Engines Single or Dual Control

Series number of Engines

Type of Wireless Apparatus

Certified correct Date

OWNER.

Full Name

Address

Nationality

CONSTRUCTOR.

Name

Address

(*Page 3.*)

Instruments.	Maker.	No.	Instruments.	Maker.	No.
Statoscope			Clock		
Compass			Inclinometer. . . .		
Aneroid			Map Case		
Cross Level.			Turn Indicator . . .		
Rev. Counter. . . .					
Air Speed Indicator . . .					

AIR SCREW.

Maker				
Number				
Diameter				
Pitch				
No. of Blades				
Date Fitted				

(*Page 4.*)

AIRCRAFT. *ENGINE.*

Date.	Crew.		Journey.	Time.			Approx. Mileage.	No. of passengers.	Wt. of Cargo (lbs.)	
	Name.	Duty.		Depart.	Arrive.	In Air.			Goods.	Mails.
				Brought forward						
				Carried forward						

(*Page 5.*) (*to face page 4.*)

Petrol into Tanks.	Oil into Tanks.	Remarks.	Repairs.		Total Time in Air.		Signatures.	Date.
			Date commenced.	Date completed.	Since last overhaul.	Since first built.		

The succeeding pages shall be similar to pages 4 and 5.

II. Engine Log Book:

The Engine Log Book shall be in the following form:—

(Page 1.)

ENGINE LOG BOOK.

INSTRUCTIONS FOR USE.

1. The Constructor shall fill in and sign the original entries in this Log Book as far as he is in a position to do so. Subsequent entries will be made and signed by the Pilot or other competent person.
2. All entries are to be made in ink.
3. No erasures are to be made in, nor pages torn from this Log Book.
4. The Ground Engineer concerned will sign entries relating to any repairs for which he is responsible.
5. Such information as makers notes, test records, timing diagrams, etc., should be affixed to the binding slips provided for the purpose.
6. Records of service will be entered up from the Journey Log Book, one line being used for each period of running.
7. This Log Book shall be produced on demand, for the inspection of any authorised person.

———

(Page 2.)

ENGINE.

Type

International (or special) H. P. — Series No.

Weight complete (dry) lbs. — Bore and Stroke.

International (or special) R. P. M. { Normal / Maximum — B. H. P. { Normal / Maximum

Gear Reduction Ratio — Direction of Rotation of Air Screw

Date of production — First date put into service

Certified correct — Date

OWNER.

Name

Address

Nationality

MAKER.

Name

Address

(Page 3).

ENGINE IN AIRCRAFT { Type
Reg. Marks

Date.	Hour.	Revs. per Min.		Time Run on Ground.	Time in Air.		Total Time Run.		Time since Top Overhaul.		Time since Complete Overhaul.		Remarks.
		On Ground.	In Air.		Hrs.	Mins.	Hrs.	Mins.	Hrs.	Mins.	Hrs.	Mins.	
		Brought forward											
		Carried forward											

(Page 4.) (to face page 3.)

ENGINE TRANSFERRED TO Date.

Repairs, Maintenance and adjustments.	Signatures.	Date.

The succeeding pages shall be similar to pages 3 and 4.

III. General instructions for the maintenance of aircraft and engine log books.

(i) Aircraft and engine log books should contain a fully detailed engineering record of the life of the aircraft or the engine respectively, including full particulars of all accidents, overhauls, replacements, repairs and all work of a like nature. Log books must be maintained in accordance with the printed instructions for use given on the first page thereof.

(ii) All necessary entries should be made in the relevant log book, at latest, within 24 hours of the return of the aircraft to its normal base, or, when the aircraft is already at its base, within 24 hours of the completion of the work. Full details of such work should be given, entries should be co-related clearly, and available serial numbers of components quoted. When new parts are fitted, a reference to the Release Note under cover of which such parts were received, or to a number from which the Release Note can readily be traced, should be given.

(iii) Ground Engineers carrying out inspections (excluding the daily inspection referred to in Rule 60 of Indian Aircraft Rules, 1937), or the repair, modification, overhaul, or replacement of any part, of an aircraft or aero engine, are responsible for ensuring that the particulars referred to in para. (ii) are entered in the relevant log books.

(iv) In cases where the aircraft or engine log book is not available then the particulars should be given separately but shall be pasted in the log book as soon as practicable and shall be kept with the Journey Log Book or with the working copies of the aircraft or engine log book, until so passed.

IV. Journey Log Book.

1. The log book will be issued by the Director of Civil Aviation in India, who will also complete the first page.

2. It shall be carried on board the aircraft during every flight.

3. The commander or person in charge of the aircraft is responsible for maintaining the log book. Entries must be made in ink or indelible pencil and shall be made before presenting the log book to the Aerodrome, Customs, Health or other authorities concerned on completion of the flight. The entries shall be certified by the signature of the commander or person in charge for each flight (except as provided in paragraph 5 below). Entries made in Column 10 in accordance with paragraph 7 (d) and (e) below and entries made in columns 11 and 12 shall be certified by the authorities concerned.

4. No entry shall be rubbed out or scratched out; no page shall be removed in any manner.

5. In this book must be entered all relevant data and particulars concerning each flight. In the case of a series of short flights in a closed circuit, carried out with the same purpose and under the control of the same responsible commander, it will suffice, in respect of columns 6, 7 and 8, to enter the time of the first departure and of the last arrival and the total duration of the whole of these flights, as well as the number of landings.

6. A "flight" comprises the period between the time of departure and the time of the next landing. A separate folio shall be used for each separate journey, but a series of flights forming part of one journey may be entered on one folio.

7. In Column 10 (right hand pages) all significant information with regard to the flight or journey shall be entered, particularly,—

(a) All unusual events, *e.g.*, details of unscheduled landings and their causes (mechanical defect, bad weather, etc.); accidents (cause and results, damage to third parties, etc.).

(b) Any special observations concerning the journey and the functioning of the aircraft and its engines.

(c) Matters affecting public health which have occurred in or in relation to the aircraft during each flight or journey.

(d) Public Health measures undergone by the aircraft before departure or at intermediate stops, whether by application of the International Sanitary Convention for Aerial Navigation 1933 or otherwise. These should be certified by the authorities responsible for the operation.

(e) All necessary information concerning the existence in the local area from which the aircraft is about to depart of any of the infectious diseases referred to in Part III of the International Sanitary convention (*i.e.*, plague, cholera, yellow fever, smallpox, exanthematic typhus). This information shall be entered by the competent health or aerodrome authorities at the aerodrome of departure. Such entries shall be made during a period of not less than 15 days from the declaration of the existence of the disease by the competent Health authorities of the country.

Aircraft are not required to have a bill of health. Entries relating to public health in the Journey Log Book shall be verified and certified, free of charge, by the competent authority of the aerodrome concerned.

8. All information contained in the Journey Log Book which has to be entered in the aircraft or engine log books shall be so entered as soon as possible after the return of the aircraft to its station.

9. The log book shall be presented on demand to the competent Aerodrome, Health, Customs or other authorities of any country traversed.

F. TYMMS,

Director of Civil Aviation in India.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE NEW DELHI.

NOTIFICATION.

New Delhi, the 7th June 1938.

No. 4282.—Dr. M. Mitra, Assistant Mycologist, is granted an extension of leave on average pay for a month from the 29th May 1938.

B. VISWANATH,

Director.

CENTRAL BOILERS BOARD.

NOTIFICATIONS.

Simla, the 1st June 1938.

No. A.-907.—In exercise of the powers conferred by section 28 of the Indian Boilers Act, 1923 (V of 1923), the Central Boilers Board directs that the following further amendment shall be made in the Indian Boiler Regulations, 1924, the same having been previously published as required by sub-section (*1*) of section 31 of the said Act, namely:—

"The proviso to sub-regulation (*1*) of regulation 3 of the said Regulations shall be omitted".

Simla, the 4th June 1938.

No. A.-907.—The following draft of certain amendments to the Indian Boiler Regulations, 1924, which the Central Boilers Board proposes to make in exercise of the powers conferred by section 28 of the Indian Boilers Act, 1923 (V of 1928), is published, as required by sub-section (*1*) of section 31 of the said Act, for the information of all persons likely to be affected thereby, and notice is hereby given that the draft will be taken into consideration on or after the 12th September 1938.

Any objection or suggestion which may be received from any person in respect of the said draft before the date specified will be considered by the Central Boilers Board. Such objections or suggestions should be addressed to the Secretary, Central Boilers Board, Labour Department, Kennedy House, Simla.

DRAFT AMENDMENTS.

1. In clause (*c*) of regulation 17 of the said Regulations, after the figures and word "28 tons", the words and figures "or 26 tons and 30 tons" shall be inserted.

2. In clause (*i*) of regulation 54 of the said Regulations, for the letter, figures and words "S_1 is the shearing strength of rivets, which is taken generally to be 23 tons per square inch for steel and 18 tons per square inch for iron, and may, in each case, be 85 per cent. of the minimum tensile breaking strength of the rivet bars", the following shall be substituted, namely:—

"S_1 is the shearing strength of rivets which shall be taken to be 23 tons per square inch for steel and 18 tons per square inch for iron".

C. M. KER,

Secretary,

Central Boilers Board.

CENTRAL ELECTRICITY BOARD.

NOTIFICATION.

Simla, the 7th June 1938.

No. A.-803.—In exercise of the powers conferred by section 37 of the Indian Electricity Act, 1910 (IX of 1910), the Central Electricity Board directs that the following further amendments shall be made in the Indian Electricity Rules, 1937, the same having been previously published as required by sub-section (*1*) of section 38 of the said Act, namely:—

1. In sub-rule (*2*) of rule 26 of the said Rules, for the words "discontinue to supply" the words "discontinue the supply of" shall be substituted.

2. In rule 47 of the said Rules, after the words "every factory" the words "and other premises" shall be inserted.

3. In sub-rule (*2*) of rule 64 of the said Rules, the words "at frequent intervals" shall be omitted.

4. In rule 70 of the said Rules—

(*a*) the proviso to sub-rule (*1*) shall be omitted,

(*b*) to sub-rule (*2*), the following proviso shall be added, namely:—

"Provided that the owner may, before so altering the aerial line, require the person from whom the notice was received to deposit the estimated cost of such alteration."

5. In sub-rule (*4*) of rule 74 of the said Rules, for the words "which crosses or is", the words "which will cross or be" shall be substituted.

6. In rule 79 of the said Rules, the words "while the lines are in use" shall be omitted.

7. In sub-rule (*1*) of rule 106 of the said Rules, the words "or, in the case of the Burma oil-fields, by the Warden of the Oil-fields," shall be omitted.

8. In rule 116 of the said Rules, the words "or, in the case of the Burma oil-fields, from the Warden of the Oil-fields,", shall be omitted.

9. In sub-paragraph (*1*) of paragraph 3 of Annexure III to the said Rules, for the word, figure, brackets and letter "clause I (*b*)" the word, figure, brackets and letter "clause I (*a*)" shall be substituted.

C. M. KER,

Secretary,

Central Electricity Board

DEPARTMEMT OF MINES IN INDIA.

Dhanbad, the 27th May 1938.

Rules for the conduct of Examinations for Colliery Managers' and Surveyors' certificates of competency made by the Board of Examiners under Regulation 31(4) of the Indian Coal Mines Regulations, 1926.

For Rules (7) and (8) *substitute* as follows :—

7. The following shall be the maximum number of marks given for each subject :—

Colliery Managers' Certificates.

Subject.	First Class.			Second Class.		
	Papers.	Viva voce.	Total.	Papers.	Viva voce.	Total.
(i) Geology and Mining . . .	100	30	130	100	40	140
(ii) Ventilation, Explosions, Underground fires and Inundations.	100	30	130	70	30	100
(iii) Machinery	90	25	115	80	40	120
(iv) Surveying, Levelling and Mensuration.	45	15	60	45	15	60
(v) Management and Mining Legislation	50	15	65	50	30	80
Total .	385	115	500	345	155	500

Surveyors' Certificates.

Written examination	100 marks.
Oral examination	40 marks.
Total .	140 marks.

(8) In order to qualify a candidate must obtain 40 per cent. of the maximum marks for each subject of the written examination, 40 per cent. of the maximum marks for each part of the oral examination, and 60 per cent. on the whole examination (written and oral).

Provided that in the case of an examination for a Colliery Manager's certificate.

(a) A candidate who fails to obtain 40 per cent. of the maximum marks in any one subject in the written examination but who nevertheless obtains 40 per cent. of the maximum marks in the oral examination in that subject and in all the other subjects (written and oral) taken individually and also obtains 60 per cent. or more of the maximum marks in the whole examination (written and oral) shall be eligible to be re-examined at the next succeeding written examination in the subject in which he so failed, and if he then obtains 60 per cent. of the maximum marks in such subject he shall be deemed to have qualified in the examination as a whole.

(b) A candidate who has obtained 40 per cent. of the maximum marks in each subject in the written examination and 60 per cent. or over in the written examination taken as a whole but has failed to secure 40 per cent. in any one or any two subjects of the oral examination but has secured not less than 50 per cent. of the maximum marks for the oral examination taken as a whole shall be eligible to be re-examined at the next succeeding oral examination in the subject or subjects in which he so failed, and if he then obtains 60 per cent. of the maximum marks in such subjects or each of such subjects he shall be deemed to have qualified in the examination as a whole.

(c) Every candidate who becomes eligible to be re-examined in one subject in the written examination or in one or two subjects in the oral examinations under Rule 8(a) or Rule 8(b) will be duly informed by the Chairman of the Board.

Provided further that if a candidate who is eligible under proviso (a) or proviso (b) is unable by reason of illness to attend at the next succeeding examination he may at the discretion of the Board be permitted to attend at the next respective succeeding examination.

W. KIRBY,

Chief Inspector of Mines in India,

and

Chairman of the Board of Examiners.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 3rd June 1938.

No. 95-P.—The services of 3rd Class Assistant Surgeon J. F. Mason, I.M.D., are placed at the disposal of the Chief Medical Officer in Rajputana for appointment as Medical Officer, Northern India Salt Revenue Dispensary, Sambhar, with effect from the 1st May 1938.

No. 96-P.—The services of 4th Class Assistant Surgeon P. A. R. Van Ross, I.M.D., are placed at the disposal of the Flag Officer Commanding, Royal Indian Navy, Bombay with effect from the 29th April 1938.

N. M. WILSON,

Major-General, I.M.S.,

Director General, I.M.S.

New Delhi, the 4th June 1938.

No. 94-P.—The services of No. 1622 Jemadar Sher Singh Liddar, I.M.D., are placed at the disposal of the Chief Commissioner, Andaman and Nicobar Islands, Port Blair, with effect from the 14th April 1938.

E. W. C. BRADFIELD,

Major General, I.M.S.,

Director General, I.M.S.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 2nd June 1938.

No. 52-An.—The undermentioned officiating Deputy Assistant Controllers of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, reverted to their substantive grades with effect from the dates noted against each:—

Mr. Jagan Nath Jali. 14th May 1938 (A. N.)

Mr. H. B. Chatterjee. 25th May 1938 (A. N.)

No. 54-An.—Mr. Bir Bikram Singh, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, has been granted combined leave on medical certificate for seven months and 21 days with effect from the forenoon of the 5th March 1938, consisting of privilege leave for two months and seven days and furlough on average salary for the remaining period.

J. PARLBY,

Military Accountant General.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 4th June 1938.

No. A.E.-780/1.—Mr. J. M. Fenton, Executive Engineer, junior scale, has been appointed to officiate as Bridge Engineer senior scale, with effect from the 15th April 1938 forenoon.

No. A.E.-780/2.—Mr. L. D. J. Turnbull, Executive Engineer, junior scale, has been appointed to officiate as Executive Engineer, senior scale, with effect from the 13th April 1938 forenoon.

No. A.E.-780/3.—Mr. B. Basu, Assistant Works Manager, junior scale, has been appointed to officiate as Superintendent, senior scale, Rolling Stock, with effect from the 22nd March 1938 forenoon

No. A.E.-780/4.—Mr. K. P. Modwell, Assistant Executive Engineer, junior scale, has been appointed to officiate as Superintendent, senior scale, staff, with effect from the 7th April 1938 forenoon.

No. A.E.-780/5.—Mr. N. C. Kapoor, Assistant Superintendent, junior scale, Transportation (Traffic) and Commercial Department, has been appointed to officiate as Superintendent, senior scale, in that Department with effect from the 8th April 1938 forenoon.

J. A. BELL,

Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 26th May 1938.

No. 17.—Mr. A. Vasudevan, Assistant Executive Engineer who is now on deputation with the Chief Controller of Standardisation, is granted leave on average pay for 4 months with effect from 10th June 1938 or subsequent date of relief.

I. T. ST. C. PRINGLE,

for Agent.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 31st May 1938.

No. 65.—Mr. R. P. Varma, Officiating Divisional Superintendent, is granted an extension of leave on average pay for 15 days with effect from 1st June 1938 in continuation of the leave already granted to him under this office notification No. 35, dated the 25th March 1938.

Lahore, the 3rd June, 1938.

No. 66.—Rao Sahib T. B. Chandwani, Offg. Divisional Personnel Officer, is granted leave on average pay for a period from 2nd June, 1938, or subsequent date of relief, to 22nd July, 1938,

Lahore, the 6th June 1938.

No. 67.—Major R. W. P. Yates, R.E., offg. Superintendent, Walton Training School, is granted leave on half average pay for one month, with effect from 1st August 1938 or subsequent date of relief.

J. MACKINNON,

Agent.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, JUNE 18, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
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Parts I and II-A	26	0	0	7	8	0
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Parts I and IV	15	0	0	5	0	0
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Parts IV Iand V	6	0	0	1	8	0

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Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 18th June 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

June 4, 1938.

25304. S. S. M. Rao. An improved single valve oscillator.

25305. Dunlop Rubber Company (India) Ld Improvements in Tractor Wheels. (June 17, 1937).

June 6.

25306. H. Gulamhusein. Special process for making toy-drums and two kinds of Tambourines known in Gujarati as 'Khanjris'.

25307. S. Yamamoto. Improved process for preparing curry and packing it in tins. (February 19, 1938).

25308. The Buell Combustion Co., Ld. Improvements relating to Centrifugal Dust Collectors.

25309. Standard Telephones and Cables, Ld. Systems of guiding by radio-electric waves, particularly for guiding aeroplanes in altitude.

25310. G. Schoenberg. Improved process for preparing stable disinfecting agents.

25311. Automatic Telephone and Electric Co., Ld. Improvements in telephone or like systems. (July 5, 1937).

25312. The Superheater Co., Ld. Improvements in or relating to pipe joints.

25313. Colgate-Palmolive-Peet Co. Detergent compositions.

25314. D. V. Reddy. Improved means for warning the driver of an engine of the proximity of a signal or like object of caution or section of a track.

June 8.

25315. F. N. F. Limited. Improvements in knitting elements for knitting machinery.

25316. T. S. Ramasubban. Internal Electric heated cookers.

25317. R. A. Dickenson. Improvements in horizontal sliding door bolt.

25318. N. V. Philips' Gloeilampenfabrieken. Improvements in or relating to electric incandescent lamps having a working pressure of more than one atmosphere.

25319. Standard Telephones and Cables, Ld. Improvements in signalling systems.

25320. Imperial Chemical Industries Ld. Improvements in or relating to the treatment of textiles. (June 16, 1937). [Addition to No. 24852.]

25321. "Sarmiza" Societate Anonima Romana de Petrol. Improvements in a process and apparatus for the production of octane-rich benzines and aromatic hydrocarbons. (June 8, 1937.)

25322. E. W. O'Sullivan and P. W. O'Sullivan. An apparatus for reweighing loaded Bogie Rail Trucks for Indian State and Private Railways and abroad.

25323. Colgate-Palmolive-Peet Co. Detergent compositions.

25324. Colgate-Palmolive-Peet Co. Detergent compositions.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24094. D. H. Remfry. Improvements in or relating to safety razors. *Blade clamped between guard plate and back plate former plate having mushroom headed, spindle engaged by spring jaws which are operated by a plunger.*

24826. British & Dominions Feralloy Ld. Improvements in and relating to the manufacture of cast iron alloys (January 30, 1937). *Cast iron alloy containing from 0·5 per cent. to 9 per cent. of aluminium.*

24920. Bennett (Hyde), Ld. Process for the emulsifying or mixing of liquid or viscous substances and apparatus therefor. (February 9, 1937). *Circular casing with a high-speed rotating member having helicoidal passages and blades for throwing and shearing the material.*

24948. Stewarts and Lloyds Ld. Improvements relating to the rolls of reducing mills and like apparatus. (February 16, 1937). *Roll secured on a shaft by means of splines distributed round the said shaft and able to move axially in relation to coacting rolls.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each:—

23730. Carlin.
23779. Spengrey Cap International Co.
23927. Vale (Junior).
23932. Imperial Hat Works.

23944. McCullough.
23948. Matzka.
23953. Vereinigte Eisenbahn-Signalwerke Gesellschaft Mit Beschrankter Haftung.
23976. Automotive Products Co., Ld., and Gates.
23990. Marconi's Wireless Telegraph Co., Ld.
24118. Sardar Kalha.
24282. Ridley.
24304. Casas-Robert.
24477. Svenska Aktiebolaget Gasaccumulator.
24521. Sweeney.
24536. The British Cotton Industry Research Association.
24538. Joseph Crosfield & Sons Ld.
24545. Owens-Illinois Glass Co.
24562. Marconi's Wireless Telegraph Co., Ld.
24596. Kempe.
24613. Imperial Chemical Industries, Ld.
24643. Reed.
24655. Kanclerz.
24670. Concordia-Bergbau Aktiengesellschaft.
24780. Chester.
24785. L-Gardner & Sons Ld.
24786. Sastry.
24820. Morrison.
24824. Kumardhubi Fireclay & Silica Works Ld.
24827. J. A. Crabtree & Co. Ld., and McLoughlin.
24834. Bolt and Wallsend Slipway & Engineering Co. Ld.
24835. Aktiebolaget B. A. Hjorth & Co.
24841. Bhandarkar.
24866. Godin (Senior), Godin (Junior) and Handl.
24874. Seri Holding S. A.
24887. Imperial Chemical Industries Ld.
24888. Ruhrchemie Aktiengesellschaft.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23629. Cresswell.
23642. Marconi's Wireless Telegraph Co., Ld.
23658. Nasmith.
23688. Metropolitan-Vickers Electrical Co., Ld.
23690. Marconi's Wireless Telegraph Co., Ld.
23793. National Malleable and Steel Castings Co.
23811. Gillespie.
23816. Dunlop Rubber Co., Ld.
23870. Metallgesellschaft Aktiengesellschaft.
23880. Hattangdi.
24066. Poor and Co.
24230. Gad.
24231. Miehle Printing Press and Manufacturing Co.
24236. I. G. Farbenindustrie Aktiengesellschaft.
24266. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny & Cirey.
24297. Knoll, A. G., Chemische Fabriken.
24317. Knoll, A. G., Chemische Fabriken.
24324. Metra Maatschappij Voor Verduurzaming Van Zuivel-Production N. V.
24366. Dutt.
24436. Vereinigte Gluhlampen Und Elektrizitat-Aktiengesellschaft.
24437. Solution Trust Limited.
24438. Solution Trust Limited.
24444. Owens-Illinois Glass Company.
24453. Shri Dhar.
24464. Metropolitan-Vickers Electrical Company Limited.
24466. Metropolitan-Vickers Electrical Company Limited.
24506. Maybach-Motorenbau Gesellschaft mit beschrankter Haftung.
24518. Paterson.
24520. Blairs, Ld. and Lamont.
24527. Osborn and H. J. Osborn & Sharp Ld.
24543. Callender's Cable and Construction Co., Ld.
24544. Joseph Rigg Ld.
24550. Seri Holding S. A.
24558. E. I. du Pont de Nemours & Co. and Westbrook.

Patents Sealed.

23590. I. G. Farbenindustrie Aktiengesellschaft.
23643. Peglers, Ld.
23706. Magnani.
23740. Dr. Rohm.
23781. International Latex Processes, Ld.
23802. DePenning.
23812. Gillespie.
23825. Davidson and Company, Ld.
23865. Marconi's Wireless Telegraph Co., Ld.
23907. I. G. Farbenindustrie Aktiengesellschaft.
23977. The Premier Waterproof & Rubber Co., Ld., and Ridings.
23991. Dr. Rohm.
24080. De.
24114. Callender's Cable and Construction Co., Ld.
24145. The Lanatin Corporation.
24159. Novocol Chemical M'F'G' Co., Inc.
24189. Loumiet et Lavigne.
24197. Naamlooze Vennootschap Organon.
24215. Universal Process (Parent) Co., Ld.
24344. The General Electric Co., Ld.
24491. The British Ropeway Engineering Co., Ld.
24516. I. G. Farbenindustrie Aktiengesellschaft.
24519. The Indian Jute Mills Association.

Amendment Proceedings.

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Hugh Eric McGuire, of 32, Marquis Street, Calcutta, seeks leave to amend the application and the specification in respect of his patent No. 14110. Any person desirous of opposing the application for amendment should, at any time within three months from the date of this Gazette, give notice of his intention to do so in the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta. The proposed amendments are as follows :—

In the application and in the specification,

for the title, "Improved railway seal label", *substitute* "Improved seal label".

In the printed specification,

page 1, line 1, *delete* the full stop *after* the word "Wagons" and *insert* "and other articles".

page 3, line 41 (claim I) *for* "an improved Railway Seal Label" *read* "an improved Seal Label".

line 42, *for* "original station seal" *read* "original seal".

line 49, *delete* the full stop *after* the word "label" and *insert* "to form openings".

line 50 (claim II) *delete* "Railway wagons".

line 55 (claim III) *delete* "Railway wagons".

Renewal Fees Paid.

PATENTS.

10500. Bengough and anr. (To 28th July 1939).
11768. National Carbon Co. Inc. (To 19th October 1939).
12136. Metallisation Ld. and anr. (To 4th July 1939).
12353. Aktieselskapet Norsk Aluminium Co. (To 14th June 1939).
12394. Berwick. (To 5th July 1939).
13524. Locomotive Stoker Co. (To 15th August 1939).
14530. Electrolux Ld. (To 30th June 1939).
14635. Imber. (To 30th July 1939).
14638. Imber. (To 30th July 1939).
14639. Imber. (To 30th July 1939).
14640. Imber. (To 30th July 1939).
14653. National Carbon Co. Inc. (To 30th July 1939).
15892. Franklin Railway Supply Co. (To 19th June 1939).
16142. Ferric Engineering Co. (To 7th June 1939).
16292. I. G. Farbenindustrie Aktiengesellschaft. (To 30th September 1939).
17727. The Burmah Oil Co. Ld. (To 2nd July 1939).
18027. Fidelity Films Ld. and anr. (To 25th August 1939).
18033. National Carbon Co. Inc. (To 27th August 1939).
18260. Callender's Cable & Construction Co. Ld. and ors. (To 11th August 1939).
18676. National Carbon Co. Inc. (To 27th August 1939).
19005. Callender's Cable & Construction Co. Ld. and ors. (To 5th August 1939).
19064. Monten. (To 18th July 1939).
19066. Hayes Track Appliance Co. (To 15th June 1939).
19070. Dalal and anr. (To 19th July 1939).
19359. American Flange and Manufacturing Co. (To 8th November 1939).
19378. American Flange and Manufacturing Co. (To 14th November 1939).
20137. Dalal and anr. (To 1st August 1939).
20138. Dalal and anr. (To 1st August 1939).
20139. Dalal and anr. (To 1st August 1939).
20140. Dalal and anr. (To 1st August 1933).
20141. Dalal and anr. (To 1st August 1939).
20204. Dalal and anr. (To 1st September 1939).
20205. Dalal and anr. (To 1st September 1939).
20206. Dalal and anr. (To 1st September 1939).
20207. Dalal and anr. (To 1st September 1939).
20208. Dalal and anr. (To 1st September 1939).
20214. Kaysam Syndicate Ld. (To 24th June 1939).
20242. Marconi's Wireless Telegraph Co. Ld. (To 18th September 1939).
20395. National Carbon Co. Inc. (To 20th November 1939).
20500. Dalal and anr. (To 2nd January 1940).
20516. Carbide & Carbon Chemicals Corporation. (To 5th December 1939).
21053. Electric & Musical Industries Ld. (To 2nd August 1939).
21127. Norsk Hydro-Elektrisk Kvaelstofaktieselskab. (To 27th August 1939).
21132. American Flange & Manufacturing Co. Inc. (To 3rd September 1939).
21792. Pirim India Ld. (To 7th June 1939).
22135. The Enfield Cable Works Ld. (To 22nd September 1939).

Cessation of Patents.

10152. Kershaw and ors.
14115. I. G. Farbenindustrie Aktiengesellschaft.
14122. Parker.
15223. The Consolidated Brake and Engineering Co. Ld. and anr.
16769. Gminder.
17826. The North British Rubber Co. Ld.
18788. Fraser and ors.
19706. Dr. Kirloskar.
19707. Dobson.
20658. Imperial Chemical Industries Ld.
20664. Butt and ors.
20666. Raja Babu.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets:—

Class 13. Nos. 63344 and 63345. F. Steiner & Co., Ld. (British Company), of Calico Printers and Dyers, Church, Lancashire, England. (May 24, 1938).

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public:—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.

BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). .	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Calcutta, the 8th June 1938.

Portions of the following note of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person/party who consider(s) himself/themselves as having a right to it is/are warned to communicate at once with the undersigned.

Case No.	Number of Note.	Value.	Name and address of the applicant.
		Rs.	
W.D./15 of 1938.	T/33-488481	100	Nani Gopal Pal C/o Babu Kali Pada Pal, P. O. Pabna Bazar, Pabna.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT,
CALCUTTA.

S. GUPTA,
Currency Officer.

Bombay, the 8th June 1938.

Portions of the following note of the Bombay Office of Issue are stated to have been destroyed, and payment of its value has been claimed by the person whose name is placed against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned.

Register No.	Number of Notes.	Value.	Name of claimant.
		Rs.	
D 12 of 1938	S/48-372147	100	Shet Bhivasan Khandu, Cotton Merchant and Commission Agent, Agra Road, Dhulia, West Khandesh.

V. G. DESHMUKH,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, BOMBAY.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 14th June 1938.

No. 20.—1. Mr. G. L. Bijur is appointed to act as an Accountant, Reserve Bank of India, Bombay, with effect from the 1st June 1938 *vice* Mr. B. V. Desai proceeded on leave.

2. Mr. T. Patrick is appointed to act as an Accountant, Reserve Bank of India, Madras, with effect from the 6th June 1938, *vice* Mr. E. S. Johnstone proceeded on leave.

MANILAL B. NANAVATI,

Deputy Governor.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATION.

New Delhi, the 13th June 1938.

No. 01370-E.—Mr. L. F. Ruse, Superintendent, Horticultural Operations, Central Public Works Department, New Delhi, was granted leave on average pay in India for two months, with effect from the afternoon of the 1st June 1938.

F. T. JONES,

Chief Engineer.

RESERVE BANK OF INDIA—PUBLIC DEBT OFFICE.

Statement of Government Promissory Notes enfaced for payment of Interest in London, under deduction of amou re-transferred to India, and outstanding in the Books of the Indian Government Rupee Loans Office, Reserve Ba of India, on the 31st May 1938.

PARTICULARS.	2½ PER CENT. LOAN.	3 PER CENT. LOANS.			3½ PER CENT. LOANS.					
	1948-52.	1896-97.	BONDS, 1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.
alance on 30th April 1938 .	Nil	11,40,600	Nil	1,06,700	27,00,100	96,03,700	40,62,600	10,96,500	4,05,250	3,30,60,30
dd—										
Amount of Loan Certificate transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to 11th May 1938 .	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to 3rd May 1938 . .	...	...	...	...	...	...	...	...	...	5,30
Amount enfaced at Calcutta between 1st and 31st May 1938 .	...	...	...	...	...	20,400	17,400	1,200	29,400	...
	Nil	11,40,600	Nil	1,06,700	27,00,100	96,24,100	40,80,000	10,97,700	4,34,650	3,30,65,600
Deduct—										
Amount written off in the London Registers . .	...	...	...	...	47,800	65,200	28,000	4,600	...	...
Balance on 31st May 1938 .	Nil	11,40,600	Nil	1,06,700	26,52,300	95,58,900	40,52,000	10,93,100	4,34,650	3,30,65,600

PARTICULARS.	4 PER CENT. LOANS.		4½ PER CENT. LOAN.	5 PER CENT. LOANS.				5½ PER CENT. LOANS.		TOTAL.
	BONDS, 1943.	1960-70.	1955-60.	Indian War Loan, 1929-47.	1945-55.	1939-44.	1940-43.	War Bonds, 1928.	1938-40.	
alance on 30th April 1938 .	2,00,00,000	6,92,800	8,500	100	23,59,200	6,22,800	5,38,700	100	1,88,000	7,65,85,95
dd—										
Amount of Loan Certificate transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to 11th May 1938 .	...	1,000	...	...	...	...	...	...	...	1,0
Amount enfaced at Bombay up to 3rd May 1938 . .	...	...	...	...	...	...	...	...	...	5,3
Amount enfaced at Calcutta between 1st and 31st May 1938 .	...	19,300	...	...	2,000	1,500	...	...	...	91,2
	2,00,00,000	7,13,100	8,500	100	23,61,200	6,24,300	5,38,700	100	1,88,000	7,66,83,4
duct—										
mount written off in the London Registers . .	...	...	...	...	...	...	...	...	...	1,45,
ance on 31st ay 1938 .	2,00,00,000	7,13,100	8,500	100	23,61,200	6,24,300	5,38,700	100	1.88,000	7,65;37,

RESERVE BANK OF INDIA,
PUBLIC DEBT OFFICE;
Calcutta, the 8th June 1938.

S. A. RAHIM,
Accountant.

L. PERTWEE,
Manager.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 14th June 1938.

No. 1637.—In supersession of this office notification, No. 1598, dated the 11th February 1937, Mr. O. D. Jackson, Extra Assistant Superintendent, was granted under the Fundamental Rules leave out of India on average pay for 7 months and 9 days and on half average pay for 3 months and 18 days from the 16th April 1937 to the 14th March 1938.

C. G. LEWIS,
Brigadier,
Surveyor General of India.

SURVEY OF INDIA.

Eastern Circle Office.

NOTIFICATION.

Shillong, the 7th June 1938.

No. 2.—Mr. Abdul Ahad, Extra Assistant Superintendent, attached to No. 12 Party (E. C.) Survey of India, is granted, under the Fundamental Rules, leave on average pay for one month and 18 days from the 13th June 1938, with permission to prefix Sunday the 12th June and affix Sunday falling on the 31st July 1938 to his leave.

F. B. SCOTT, Colonel,
Director, Eastern Circle.

GEOLOGICAL SURVEY OF INDIA.

NOTIFICATION.

Simla, the 10th June 1938.

No. 290/C./914 (2).—Mr. D. Bhattacharji, Assistant Geologist, Geological Survey of India, is granted leave on average pay for 1 month and 15 days, with effect from the 17th June 1938. Mr. Bhattacharji, on his return from leave, is likely to resume his duty as Assistant Geologist in Calcutta from where he proceeds on leave.

A. M. HERON,
Director,
Geological Survey of India.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATION.

Simla, the 15th June 1938.

No. D-292(33).—Mr. V. Sree Rangasayi, L. T. M. (Hons.), V. J. T. I. (Bombay), Officiating Inspector of Stores, Bombay Inspection Circle, Indian Stores Department, is posted as Inspector-in-Charge, Madras Inspection Branch, with effect from the 1st June 1938, *vice* Rao Sahib K. V. Appayya granted leave preparatory to retirement.

R. W. TARGETT,
Officiating Chief Controller of Stores.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATIONS.

P. O. New Forest (Dehra Dun), the 11th June 1938.

No. 685.—Rai Bahadur M. P. Bhola, O.B.E., lately of the Indian Forest Service, has been appointed, with effect from the forenoon of the 2nd June 1938, to fill the leave vacancy in the post of Assistant Minor Forest Products Officer, Forest Research Institute, Dehra Dun, for the period during which Mr. S. Ramaswami, will be on leave.

L. R. SABHARWAL,
for Inspector General of Forests.

P. O. New Forest (Dehra Dun), the 13th June 1938.

No. 696.—In supersession of this office notification No. 172/C., dated the 27th May 1938, Dr. S. N. Kapur Officer in Charge, Seasoning Section, Forest Research Institute, Dehra Dun, is granted leave, on average pay, for two months, with effect from the 30th May 1938 to 29th July 1938, with permission to prefix Sunday, the 29th May 1938, and suffix last Saturday and Sunday the 30th and 31st July 1938, to his leave.

Mr. M. A. Rehman, Assistant Seasoning Officer, will hold charge of the Wood Seasoning Section, in addition to his own duties, during Dr. Kapur's absence on leave.

L. MASON,
Inspector General of Forests.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 18th June 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI.

NOTIFICATIONS.

New Delhi, the 8th June 1938.

No. 4339.—Mr. R. Thomas, Botany Assistant on the Establishment of the Sugarcane Expert is appointed to officiate as Assistant Sugarcane Expert, *vice* Mr. K. Krishnamurthi Rao, granted leave preparatory to retirement, in this office Notification No. 2893, dated 12th April 1938.

No. 4340.—Mr. P. B. Sanyal, Assistant on the establishment of the Imperial Agricultural Chemist is appointed to officiate as Assistant Agricultural Chemist, with effect from 7th June 1938, *vice* Mr. J. N. Mukerji granted leave in this office Notification No. 3945, dated 25th May 1938.

B. VISWA NATH,

Director.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATION.

Poona 5, the 10th June 1938.

No. G.-15935/P.-98.—Dr. N. K. Sur, D.Sc. (Allahabad), Meteorologist, Poona, has been granted leave on average pay for one month and sixteen days, with effect from the 6th June 1938, with permission to prefix Sunday, the 5th June 1938.

C. W. B. NORMAND,

Director General of Observatories.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATIONS.

Simla, the 7th June 1938.

No. E. B.-11.—Mr. Santokh Singh, Assistant Aerodrome Officer, who was appointed to officiate as Aerodrome Officer, *vice* Mr. S. M. Ally on leave, *vide* this office Notification No. E. B.-15(2), dated 20th December 1937, is appointed permanently to the grade of Aerodrome Officer, with effect from the 1st June 1938 and posted to Karachi Air Port, Drigh Road, Sind.

No. E. B.-11.—Mr. T. A. Greenway, Electrical and Mechanical Superintendent in the Civil Aviation Directorate (on probation) is confirmed in his appointment with effect from the 4th May 1938.

F. TYMMS,

Director of Civil Aviation in India.

OFFICE OF THE COLLECTOR OF SALT REVENUE, MADRAS.

NOTIFICATION.

Madras, the 1st June 1938.

C. No. 153-B-I-Salt/38.—In exercise of the powers conferred by the Madras Salt Act, 1889 (Madras Act IV of 1889), the Collector of Salt Revenue, Madras, is pleased to direct that the notifications specified in the first column of the Schedule hereto annexed shall be amended to the extent and in the manner specified in the corresponding entry in the second column thereof.

SCHEDULE.

Serial No.	1 Notifications.	2 Amendments.
1	Notification under Section 3 (*i*) defining the limits of the Salt Factories.	In the preamble, for the words "Presidency," the words "Province of Madras and in the territories transferred from the Presidency of Madras to the Province of Orissa by the Government of India (Constitution of Orissa) Order, 1936," shall be substituted.
2	Notification dated the 6th May 1924 as amended by later notifications.	For the word "Government" wherever it occurs, the words "the Central Government" shall be substituted.
3	Notification No. 562, dated the 18th December 1889 as amended by later notifications.	In rule (8) (C) for the words "Secretary of State for India in Council" the word "Crown" shall be substituted. In rule (9) for the word "Government", the words "the Central Government" shall be substituted.
4	Notification No. 561, dated the 18th December 1889 as amended by later notifications.	In rule 2 of Section B, for the words "a Government Officer" the words "an officer of the Central Government" shall be substituted. In rules 6, 9, 11 and 13 of Section B and rules 1 and 3 (x) of Section C, for the words "Government" the words "the Central Government" shall be substituted.

H. GREENFIELD,

Collector.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 8th June 1938.

No. 56-An.—Mr. Pokhar Dass, an accountant in the office of the Controller of Military Accounts and Pensions, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the forenoon of the 30th May 1938.

Simla, the 15th June 1938.

No. 58-An.—Mr. H. B. Chatterjee, an accountant in the office of the Controller of Military Accounts, Eastern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office with effect from the forenoon of the 1st June 1938.

J. PARLBY,

Military Accountant General.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

Medical Stores Department.

NOTIFICATIONS.

New Delhi, the 10th June 1938.

No. 97-S.—Captain A. F. MacCulloch, M.A., B.Sc., F.I.C., A.M.I., Advisory Chemist of the Medical Store Depot, Madras, is granted leave on average pay in India for one month, with effect from the 23rd May 1938 (forenoon).

W. M. WILL,

Lieut.-Colonel, I.M.S.,

for Director General, I.M.S.

New Delhi, the 15th June 1938.

No. F. 10-1/38-44-P.—Major Assa Singh, I.M.S., on expiry of his leave is posted as Officer-in-charge, Medical Store Depot, Calcutta. He took over charge from Lieut.-Colonel P. P. Canteenwalla, I.M.S., on the afternoon of 23rd May, 1938.

Lieut.-Colonel J. P. Canteenwalla, on relinquishing charge of the Medical Store Depot, Calcutta, is appointed as Officer-in-charge, Medical Store Depot, Madras, with effect from the forenoon of 25th May, 1938, on which date he took over charge of the Depot from Lieut. A. C. Sinclair, I.M.D.

N. M. WILSON,

Major-General, I.M.S.,

Director-General, I.M.S.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the creditors in column 3 of the debtors in column 4 on dates given in column 1, orders of adjudication in insolvency against the said debtors were made by the High Court of Judicature at Madras on the dates given in the last column.

Date of filing.	No. of petition.	Name of the petitioning creditor.	Name and address of the insolvent.	Date of adjudication.
1	2	3	4	5
11th April 1938.	118/38	K. Chella Pillai Chetty	M. T. Murugesa Mudaliar, residing at 92, Anna Pillai Street, George Town, Madras.	12th May 1938.
12th April 1938.	121/38	1. Karamchand Manohardas 2. Tahalram Ramchand 3. Bojraj	Ali Mohomed & Sons, Glassware Merchants carrying on business at 289, Chinabazaar Road, Madras.	25th April 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 3rd June 1938.

K. C. NAMBIAR,
Vacation Officer.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that the orders of this Court adjudging debtors insolvents mentioned in column 2, pursuant to the provisions of Act III of 1909 (the Presidency Town Insolvency Act) were annulled by orders made on the date noted against them in column 3.

No. of petition.	Name and address of the insolvent.	Date of annulment.
158 of 1932.	1. Mohammad Khaja Saheb, 2. Mohammad Abdul Rasul Saheb, 3. Mohammad Galib Saheb, Carrying on business at 71, Govindappa Naicku Street, George Town, Madras.	24th March 1938.
236 of 1937.	A. Guruswami Naidu, Fire wood Merchant, residing at 15, Ranga Pillai Garden Street, Konditope, George Town, Madras.	19th April 1938.
220 of 1936.	P. Ramanatha Iyer, 53, Leiz Church Road, Mylapore, Madras.	Do.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 3rd June 1938.

K. C. NAMBIAR,
Vacation Officer.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

Simla, the 8th June 1938.

No. S.-75/12.—Mr. F. W. Taylor, Assistant Deputy Director General, Wireless, is granted leave out of India on average pay for 8 months combined with leave on half average pay for 11 months and 27 days, with effect from the 15th June 1938, preparatory to retirement.

No. S.-107/8.—Mr. F. W. Kelly, Assistant Divisional Engineer, Telegraphs, Agra, is granted earned leave on full average pay for 30 days, with effect from the 4th June 1938 or from the date of his relief.

New Delhi the 11th June 1938

No. S.-177/6.—Mr. R. P. Trivedi, Post-master, Grade A, is permitted to retire from service with effect from the 18th November, 1938.

G. V. BEWOOR,

Director-General of Posts & Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 8th June 1938.

No. 4193-C. T./2-E./6.—Mr. P. C. Dey, M.A. (Com.), Income-tax Officer, Railways and Miscellaneous Salaries Circle, Calcutta, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 27 days, with effect from the 23rd May 1938 with permission to affix Sunday, the 19th June 1938 to the leave.

No. 4194-C. T./2E./12.—Mr. R. W. A. Ashe, Assistant Commissioner of Income-tax, Range No. V., Calcutta is allowed under Fundamental Rule 81(b) (ii) leave on average pay for 9 days with effect from the 3rd June, 1938 with permission to affix Sunday, the 12th June, 1938 to the leave. This cancels my order No. 3520-C. T./2 E./12, dated the 28th May 1938.

S. N. BANERJEA,

Commissioner of Income-tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATION.

Calcutta, the 10th June 1938.

No. O. P. E. 418-P. 5.—Mr. P. J. Hadley, Assistant Superintendent, Lower Gazetted Service, Transportation (Traffic) and Commercial Department has been granted four months privilege leave combined with two months furlough on full pay partly in India and partly out of India, with effect from the 26th April 1938.

J. A. BELL,

Agent.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 10th June 1938.

No. 69.—Mr. B. A. Khan, Assistant Transportation Officer, is granted leave for eight months *viz.*, leave on average pay for four months and on half average pay for the remaining period with effect from 3rd January 1938. This supersedes this office Notification No. 145, dated 21st December 1937.

J. MACKINNON.

Agent,

N. W. Railway.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, JUNE 25, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
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Part II-A	15	0	0	5	0	0
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Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 25th June 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

June 11, 1938.

25325. W. Koreska. Improvements in or relating to carbon paper. (January 4, 1938).

25326. W. Koreska. Typewriter ink ribbon with ink reservoir zone. (March 21, 1938).

25327. Gesellschaft fur nautische und tiefbohrtechnische Instrumente mit beschraenkter Haftung and Professor Dr. O. Martienssen. Improved arrangement for measuring the local specific resistance of the strata around a bore hole.

25328. J. N. Curtis. A self-locking safety catch for window shutters of railway carriages and the like.

25329. Standard Telephones and Cables Ld. Secret transmission.

25330. Standard Telephones and Cables Ld. Radio system.

25331. Standard Telephones and Cables Ld. Improvements in or relating to radio direction finding apparatus. [Divisional Date October 25, 1937].

25332. R. Casas-Robert. Sewing machine. [Divisional Date August 7, 1937].

25333. N. V. Internationale Maatschappij Voor Hydreeringstechniek &-Chemie (International Hydrogenation Engineering and Chemical Company). Process for the hydrogenation of liquid olefine polymers.

25334. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny and Cirey. Improvements in and relating to cooling apparatus for tempering glass.

25335. M. I. David. A canister or like container for a respirator having an improved filling.

25336. W. Bent. Improvements in or relating to refractory materials and furnace lining made therefrom.

June 13.

25337. E. M. Gill. The prevention of train-wrecking due to the removal of a rail or a fish plate from a railway track.

25338. Flexofiltration Ld. Improvements in or relating to filters for purifying liquids or gases.

25339. Texaco Development Corporation. Improvements in or relating to alkylation of hydrocarbons.

25340. International General Electric Co. Incorporated. Improvement in electrical discharge devices:

25341. L. Frohlich. An improved process for producing a wool-like spinnable fibre from jute raw fibre.

25342. I. G. Farbenindustrie Aktiengesellschaft. Production of fast dyeings. (June 22, 1937).

25343. W. R. Hume. Improvements in and relating to jolting or concussional apparatus for use in the centrifugal moulding of concrete pipes and the like.

25344. N. V. De Bataafsche Petroleum Maatschappij. Process for manufacturing anti-knock motor fuels.

25345. Ercole Marelli & C. S. A. Improvements in oscillating fans.

June 14.

25346. D. Jardine. Improvements in hats, helmets or the like.

25347. Imperial Chemical Industries Ld. Improvements in or relating to the treatment of textiles. (June 28, 1937)- [Addition to No. 24852].

June 15.

25348. H. E. Collier and J. R. Puri. Lubricating channels in fishplates and fishplate locking bolts.

June 17.

25349. T. R. Thangam. A new type of coffee or tea making apparatus.

25350. G. H. Webb. Double ended hands of all sizes for clocks and watches.

Alteration of Date.

(I)

24941. The claim to divisional date 19th July 1937 has been disallowed and the application dated as of 14th February 1938, the date of filing in India.

(II)

25218. Ante-dated 19th July 1937 under Section 5.

(III)

25219. Ante-dated 19th July 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23950. The Guardite Corporation. Improvements in or relating to the treatment of organic or porous products with fluid, for example fumigating gas. *Boiling volatile liquid within the product in vacuum until noncondensible gases are washed out and introducing fluid at higher pressure.*

24022. W. H. Broadfield. Method of cleaning sheet metal and the like. *Subjecting heated article to a stream of abrasive material.*

24106. Callenders' Cable and Construction Co. Ld. Improvements in the manufacture of electric cables. (June 15, 1936). *Impregnated with mixture of silica and oil.*

24142. B. Pross and F. Baldus. Method of and device for producing slubbing on drawing frames. *The straight narrow inner wall of the funnel delivery and comprises resilient clamping members intermeshing with one another.*

24182. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to radio relay systems. *High frequency systems in which one transmitter and two receivers are used at relay station and one each at terminal stations.*

24271. Shrimati Rup Kaur. A tube well strainer and an improved method of manufacturing the same. [Addition to No. 21581]. *Core of perforated tube enveloped by helically wound slotted sheet metal.*

24281. H. Ridley. Improvements in and relating to the lining of pipes with cementitious material. *Slinger having annular plates with distance pieces, motor mounted on travelling carriage and hose connecting said slinger to pump or press.*

24315. I. G. Farbenindustrie Aktiengesellschaft. Process for the manufacture of N-basically substituted amino compounds of the heterocyclic series. (August 14, 1936). *Reacting pyaminoqumoline derivative of the benzene nucleus with a reactive ester of basic alcohol or salt thereof.*

24403. Office General De La Cinematographie Francaise and R. Blum. Declutching device for spool-bearers of a cinematographic apparatus permitting stoppage on an image without inconvenient resistance. (May 28, 1937). *A guiding claw receiving a to and fro movement, the claw co-operating with stops controlling declutching mechanism.*

24481. Ateliers Neyret-Beylier & Piccard-Pictet. A device for ensuring the automatic regulation of the delivery of hydraulic mains. *Closed chamber with inlet and outlet enclosing oscillating arm with cylindrical valve at one end and disc at the other.*

24614. H. Freeman. Method of and apparatus for separating heavy from light constituents in fluid suspensions. (November 19, 1936). *Elongated cylindrical enclosure, provided with an apertured partition at intermediate level.*

24705. The General Electric Co. Ld. Improvements in arrangements for operating high-pressure metal vapour discharge devices. (December 9, 1936). *A small part of the envelope is cooled in a controlled manner.*

24741. Dunlop Rubber Co. (India) Ld. Improvements in or relating to tractor wheel attachments. *Plurality of strakes detachably positioned on supporting ring in contact with load sustaining lugs.*

24744. Ajit Singh. An improved fruit juice extractor. *A ribbed body adapted to fit a rotatable body with a clearance to compress the slices of fruits between them.*

24771. Pilkington Brothers Ld. Improvements in and relating to chilling media for tempering glass. *Chilling effected trichlorbenzene or chlorinated resin.*

24813. Binny & Co. (Madras) Ld. Method of and apparatus for removing the husks from betel nuts and the like nuts. *Nuts conveyed between two series of cutting edges, one at least capable of moving relatively to the other.*

24860. Burn & Co. Ld. and G. P. Chestney. Improvements in or relating to railway crossings and wing-rails therefor. *Wing rail is made deeper in the vicinity of crossing.*

24889. Societie de Prospection Electrique, Procedes Schlumberger. Methods and arrangements for determining the nature of the geological formations traversed by a drill hole by simultaneous measurement of several parameters of the rocks. *Moving a single electrode and measuring spontaneous potential difference and contact resistance between electrode and ground.*

24897. R. L. Revri. Improvements in or relating to valves for foot valves. *Rubber valve partly or completely covered with canvas.*

24911. L. Gardner & Sons Ld. Improvements in impeller shaft packings for water pumps. (February 12, 1937). *Shaft mounted in self-aligning bearing and provided with spring loaded anti-friction bearing having spherical bearing surfaces.*

24922. K. P. Paul. A metal pipe bending machine. *A central grooved roller, a stationary holder or vice and a movable block adapted to travel around the central block.*

24928. C. F. K. Watson. The separation of settleable matter from a stream of fluid. *Centrifugal separator in which inlet and outlet are arranged on the axis of rotation.*

24941. M. T. Ahmad. Improvements in or relating to tube well strainers. *A series of longitudinal strips of horse-shoe section separated by spacing members to form a circular body.*

24943. A. P. Roy and E. E. Marklew. Improved rail joint. [Addition to No. 19449]. *Beam with screw-bolt supported on hangers to carry bearing plate for rail ends.*

24954. A. L. McWilliam, E. L. Goodman and McLeod & Co. Ld. Improvements in or relating to the driving mechanism of tea-leaf rolling machines. *Bevel wheel driving the crank shaft resting on a ring fixed to the crank shaft.*

24977. R. Baksh. Improvements in or relating to manufacture of glass bangles. *Pressing a rotatable pulley having ornamentations stamped on it, against the spiral band formed on the roller.*

24978. A. L. McWilliam, E. L. Goodman and McLeod & Co., Ld. Improvements on or relating to the doors of tea leaf rolling machines. *Inclined co-operating surfaces on the door and the table for intimate contact.*

24985. H. A. Brassert & Co. Ld. Means for bringing gas and liquid into intimate contact. (February 25, 1937). *Comprising tubular chamber with neck, a jet for injecting a cone of spray and apertures for directing gas around the spray and for deflecting the resulting mixture.*

24996. The Minster Linen Process Co. Ld. Waterproof collars, cuffs and the like. *Layer of fabric between two layers of celluloid, fabric being provided with seams or stiff material around its periphery.*

25005. Societe D'Etudes Et Applications Industrielles. A process for the manufacture of soluble dry products containing a concentrated coffee extract. (June 9, 1937). *Adding to an infusion of roasted coffee, a soluble edible carbohydrate and drying the mixture.*

25010. J. C. Seailles. Method of manufacture of alumina. *Alumina precipitated from solution of aluminate of lime is treated with sodium carbonate solution and lime and the alumina reprecipitated from the sodium aluminate lye.*

25014. A. L. McWilliam, E. L. Goodman and McLeod & Co. Ld. Improvements in tea rolling machines and in the process of rolling tea leaf. *Rolling table having curved battens of the same radius of curvature as the hood.*

25030. British Smokeless & Oil Fuels Ld. Improvements relating to the distillation of coal and other carbonaceous substances. *Passing charged containers through a heated vertical retort by control devices adapted to support them within the retort and discharging the containers through a closure valve.*

25031. G. Fraser and Douglas Fraser & Sons, Ld. Improvements in silver balling machines and yarn and the like winding machines. *Ball formed between two stationary end plates shrouding only the driving roller nip and part of ball end surface.*

25218. U. Pomilio. Improvements in or relating to processes and apparatus for the extraction of cellulosic fibres from vegetable material. [Ante-dated July 19, 1937]. *Alkali treament between 100° to 150° c. under pressure and chlorine reaction in open vessel a 65°c.*

25219. U. Pomilio. Improvements in or relating to processes and apparatus for the extraction of cellulosic fibres from vegetable material. [Ante-dated July 19, 1937]. *Alkali reaction carried at 75° to 100°c. and chlorine reaction without application of heat.*

Printed Specification Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23966. Humoco Corporation.
23979. Sub-Conductor Carter.
24009. Photosculpture, Ld.
24226. I. G. Farbenindustrie Aktiengesellschaft.
24373. Imperial Chemical Industries, Limited.
24528. Max Factor & Co.
24529. A. M. Byers Co.
24549. Seri Holding S. A.
24632. Imperial Chemical Industries, Ld.
24700. May and Baker, Ld.
24819. J. Stone & Co. (India), Ld.
24837. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag).
24859. Wagner.
24864. N. V. Phillips' Gloeilampenfabrieken.
24871. Fraser and Douglas Fraser & Sons, Ld.
24879. Chaubal.
24904. Wire-Wound Gas Containers, Ld.
24914. The Continental Investment Syndicate, Ld.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23369. The General Electric Co. Ld.
23654. Chaubal.
23680. Knight.
23795. Elkington.
24108. Universal Oil Products Co.
24109. Universal Oil Products Co.
24209. Handstaubsauger Gesellschaft m. b. H.
24268. British Celanese, Ld.
24330. Masterman.
24524. Lodge.
24525. E. I. duPont de Nemours and Co.
24546. Owens-Illinois Glass Co.
24547. Corning Glass Works.
24554. Marconi's Wireless Telegraph Co., Ld.
24557. Metropolitan-Vickers Electrical Co., Ld.
24560. Chemical Works Formerly Sandoz.
24581. Brandwood.
24587. I. G. Farbenindustrie Aktiengesellschaft.
24588. E. I. Du Pont De Nemours and Co.

Patents Sealed.

23385. Warde.
23492. Banga Pratisthan.
23498. Lalji Vanmali Das & Bros.
23598. Cosserat.
23613. Standard Telephones & Cables Ld.
23624. Filter Tips Ld.
23826. Davidson & Co. Ld.
24060. Williams.
24368. Lentz.
24389. Metropolitan-Vickers Electrical Co. Ld.
24390. Metropolitan-Vickers Electrical Co. Ld.
24447. Rogers, and Whitelegg & Rogers Ld.
24473. Morawetz.
24479. Candy Filters (India) Ld., and Aitken.
24541. Sharp & Dohme, Incorporated.
24542. Sharp & Dohme, Incorporated.

Opposition Proceedings.

The opposition entered by W. Jefferies to the grant of a patent on application No. 23920 made by M. N. Pai and notified in Part II of the *Gazette of India*, dated the 1st January 1938, has been allowed in part. The sealing of the patent will be subject to the amendment of the specification.

In the said opposition proceedings the Controller has enunciated certain principles relating to the amendment of specifications in opposition proceedings and to the awarding of costs in opposition proceedings.

Copies of the full decision may be obtained from the Patent Office, No. 1, Council House Street, Calcutta, on payment of Re. 1 per copy.

Renewal Fees Paid

PATENTS.

9491. The Governors of the University of Toronto (To 17th July 1939).
10463. Rawlings and ors. (To 7th July 1939).
10538. Nyrop. (To 4th August 1939).
11078. Cheney. (To 18th July 1939).
12584. Minerals Separation Ld. (To 14th September 1939).
13456. Minerals Separation Ld. (To 14th September 1939).
14567. Dallas and anr. (To 11th July 1939).
15286. Wade. (To 3rd August 1939).
15287. Wade. (To 3rd August 1939).
15288. Wade. (To 3rd August 1939).
15903. Marshall and anr. (To 3rd July 1939).
15957. Marshall and anr. (To 16th July 1939).
15958. Marshall and anr. (To 24th July 1939).
17089. Singha. (To 12th June 1939).
17216. Franklin Baker Co. (To 21st July 1939).
17229. Grubenholzimpragnierung G. m. b. H. (To 28th July 1939).
17242. Kabushiki-Kaisha Sumitomo Seikosho (altered to Sumitomo Kinzokugogyo Kabushiki Kaisha). (To 29th July 1939).
17243. Sakamoto. (To 29th July 1939).
17272. Greenwood. (To 10th August 1939).
17314. Greenwood. (To 18th August 1939).
18162. Hauber. (To 29th June 1939).
18181 The Distillers Co. Ld., and ors. (To 9th August 1939).
18282. Polson Manufacturing Co. (To 22nd August 1939).
18711. Marshall & ors. (To 20th July 1939).
18827. Societe D'Etudes Pour L'Exploitation Des Brevets Nublat. (To 21st March 1939).
19043. F. L. Smidth & Co. A/S. (To 4th July 1939).
19060. Naamlooze Vennootschap Tot Voortzetting Der Zaken Van Pieter Schoen and Zoon. (To 12th July 1939).
19153. Cheney. (To 29th August 1939).
19247. Morton. (To 26th September 1939).
19513. F. L. Smidth & Co. A/S. (To 21st December 1939).
20007. Chowdhri Ahmad. (To 15th June 1939).
20109. Cheney. (To 24th July 1939).
20114. Societe D'Electrochimie D'Electrometallurgie Et Des Acieries Electriques D'Ugine. (To 24th July 1939).
20181. Cheney. (To 22nd August 1939).
20185. Dufaycolor Ld. (To 22nd August 1939).
20300. Mayo. (To 16th October 1939).
21124. The Asiatic Petroleum Co. Ld. (To 27th August 1939).
21141. James Mackie & Sons Ld. (To 14th September 1939).
21360. Mrs. Hardy and ors. (To 13th October 1939).
21936. Kodak Ld. (To 15th June 1939).
21959. Vogel-Jorgensen. (To 6th July 1939).

Cessation of Patents.

10159. Newsom.
10916. Ransomes & Rapier Ld., and anr.
13057. Humphris.
16800. McGhee.
19649. The Consolidated Brake and Engineering Co. Ld.
20677. Skogen.
20681. Giralt.
20686. The General Electric Co. Ld., and anr.
20689. Kinnear and ors.
20691. Ali.
20692. Merryweather & Sons Ld., and ors.
21647. Kolb.
21695. Kemp and ors.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 9. No. 63357. Konda Srinivas, of Mynateppakulam Lane No. 1, East Gate, Madura (South India). June 3, 1938.

Class 13. No. 63348. The Mafatlal Fine Spg. & Mfg. Co. Ld., of Navsari, Baroda State. May 26, 1938.

Class 13. No. 63349. Toyo Menka Kaisha, Ltd., of No. 5, Royal Exchange Place, Calcutta, British India. May 27, 1938.

Class 13. Nos. 63350 to 63352. The Standard Mills Co., Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. May 28, 1938.

Class 13. No. 63358. Konda Srinivas, of Mynateppakulam Lane No. 1, East Gate, Madura (South India). June 3, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry:—

Class 3. Nos. 57013 and 57014. Kiyota Kubota of No. 1, Araicho, Kurume, Japan. August 1, 1933.

Class 3. No. 57083. The Goodyear Tire & Rubber Co., of 1144, East Market Street, Akron, Ohio, United States of America. August 23, 1933.

Copyright in the following designs has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 1. No. 56953. F. Racek & Co., of 111, Radha Bazar Street, Calcutta, British India. July 15, 1933.

Class 13. No. 34681. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 16 1928.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Aminuddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). .	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON. . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,
Controller of Patents and Designs.

CURRENCY NOTES

NOTICES.

Calcutta, the 3rd/4th June 1938.

Portions of the following notes of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of their value has been received from the persons whose names are shown against the numbers. Any other person(s) who consider(s) himself/themselves as having a right to it is/are warned to communicate at once with the undersigned.

Case No.	Number of Note.	Value.	Name and address of the applicant.
		Rs.	
W.D./13 of 1938.	T/22-142215	100	Nasiruddin Dewan, Village Rajnagar, P. O. Atigram, District Dacca.
W.D./14 of 1938.	T/33/101040	100	Rai Bahadur Motilall Chamria, No. 1, Cullen Place, Howrah.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

S. GUPTA,
Currency Officer.

Bombay, the 16th June 1938.

Portions of the following notes of the Bombay Office of Issue are stated to have been destroyed, and payment of their value has been claimed by the person whose name is placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Notes.	Value.	Name of claimant.
		Rs.	
D 13 of 1938	S/73-699520	100	Mr. Nanalal Motichand, Gaiwadi, Cavel Street, Karsandas Narayandas House, 2nd floor, Bombay, 2.
	S/73-983017	100	

V. G. DESHMUKH,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, BOMBAY.

Lahore, the 22nd June 1938.

Portions of the following note of the Lahore Office of Issue are stated to have been destroyed, and payment of its value has been claimed by the person whose name is shown against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
W.D. 10 of 1938.	T-28/034592	100	Mr. Kesho Nath Tuli, inside Lohari Gate, Lahore.

MUL CHAND,

Currency Officer.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, LAHORE.

OFFICE OF THE ACCOUNTANT-GENERAL, POSTS AND TELEGRAPHS.

New Delhi, the 20th June 1938.

Statement showing the amounts realised and paid in each of the Postal Circles on account of Post Office 5-Year Cash Certificates, during April 1938, and the amounts outstanding at the end of the month.

[In thousands of rupees.]

Name of Postal Circle.	Cash realised from sales.	Amount repaid. Principal.	Amount of principal outstanding.
	Rs.	Rs.	Rs.
Bengal & Assam	18,37	23,81	11,10,53
Bihar & Orissa	4,28	4,82	2,29,38
Bombay	31,71	43,20	16,11,08
Central	7,06	8,66	4,17,97
Sind & Baluchistan	4,90	6,39	2,61,43
Punjab	20,65	23,65	11,17,14
United Provinces	14,40	16,36	8,36,13
Madras	5,87	8,44	3,00,16
Burma	...	2,64	1,12,58
Total, April 1938	1,07,24	1,37,97	59,96,40
Total, April 1937	1,02,53	1,36 48	64,33,35
Total, April 1936	1,45,29	1,45,89	66,02,23

K. R. S. RAU,

Accountant-General, Posts and Telegraphs.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

The following is a statement of the cash balances of the Central Government on the last day of May 1938 :—

	Rs.
(1) At the Reserve Bank of India in India	13,73,37,000
(2) At treasuries in India	18,16,000
(3) In England (sterling converted at 18*d*. the rupee)	96,54,000
Total	14,88,07,000

M. SUBRAHMANYAN,

Accountant General, Central Revenues.

NEW DELHI:

The 20th June 1938.

SURVEY OF INDIA.

List of maps published during the month of May 1938.

GEOGRAPHICAL, GENERAL AND SPECIAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Description.	Year of survey.	Date of edition.	Number of sheets.	Size per sheet in inches.	Price.	Remarks.
					Rs. AS.	
SPECIAL MAPS.						
CANTONMENT PLANS.						
(Scale 16 inches to 1 mile.)						
*Chaklāla Cantonment	1936-37	1938	6	Various	2 0 per sheet.	Second (Revised) Edition.
PROVINCIAL MAPS.						
(Scale 1 inch to 157·83 miles.)						
†Bengal (with hills)	..	1937	1	40×30	3 0	Fourth (Revised) Edition.

*This publication supersedes item 64 of Appendix 5 of the Map Catalogue.

†This publication supersedes item 2 of Appendix 2 of the Map Catalogue.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Index Number.	District, etc.	Year of survey.	Date of edition.	Price.	Remarks.
				Rs. AS.	Underlining for Map Catalogue :— (*a*) Double red lines. (*b*) Single red line.
	1. QUARTER-INCH MAPS.				
	(Scale 1 inch to 4 miles.)				
41-E	"Bhūj"	Various	1938	1 0	Provisional Issue.
72-O	"Purnea"	Various	1938	1 0	Preliminary Edition (*b*) (black only).
73-H	"Cuttack"	1924-25 1929-31	1937	1 8	(*a*)
*83-K	"Kohima"	1922-24 1931-33	1937	1 8	Second (Revised) Edition (*a*).
†84-J	"Mingin"	1906-07 1908-09 1932-34	1937	1 8	Third (Revised) Edition (*a*).
	2. HALF-INCH MAPS.				
	(Scale 1 inch to 2 miles.)				
$45\frac{H}{NW}$	Parts of Jodhpur (or Mārwār), Sirohi and Udaipur (or Mewār) States.	1934-35	1937	1 8	(*a*)
$65\frac{C}{SW}$	Parts of Nalgonda, Warangal and Kistna Districts.	1923-24	1937	1 8	Second Edition.
$72\frac{C}{NE}$	Parts of Patna, Sāran, Shāhābād and Ballia Districts.	1922-23 1933-35	1937	1 8	(*a*)
$72\frac{C}{SE}$	Parts of Gaya, Patna and Shāhābād Districts.	1933-34	1937	1 8	(*a*)

*Gridded copies of these maps can be supplied at annas three per copy extra.

†Copies of these maps are obtainable from the Curator, Government Book Depot, Rangoon, Burma.

List of maps published during the month of May 1938.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta—*contd.*

Index Number.	District, etc.	Year of survey.	Date of edition.	Price.	Remarks.
	3. ONE-INCH MAPS. (*Scale 1 inch to 1 mile.*)			Rs. As.	Underlining for Map Catalogue :— (*a*) Double red line.
35 M/7	Parts of Dādu and Lārkāna Districts.	1935-36	1937	1 8	(*a*)
*38 O/6	Parts of Kohāt District, Khyber Agency and Tribal Territory (Tīrāh).	Various	1937	1 8	Third (Revised) Edition. (*a*)
39 B/4	Parts of Loralai and Sibi Districts.	1908-09	1937	1 8	Second Edition. Gridded.
*39 I/9	Part of Dera Ismāīl Khān District.	1908-09	1938	1 8	Ditto.
43 L/5	Parts of Jammu, Mirpur, Gujrāt and Siālkot Districts.	1913-14	1938	1 8	Ditto.
53 C/12	Parts of Rohtak District and Jīnd State.	1935-36	1937	1 8	Second (Revised) Edition.
54 J/9	Parts of Bhind, Tonwarghār, Āgra, Etāwah and Mainpuri Districts.	1921-22	1937	1 8	Second Edition.
64 H/7	Parts of Drug District and Kānker State.	1936-37	1937	1 8	(*a*) Complete map.
64 O/4	Parts of Raipur and Sambalpur Districts.	1935-36	1937	1 8	(*a*)
72 O/8	Parts of Bhāgalpur and Santāl Parganas Districts.	1936-37	1937	1 8	(*a*)
72 O/9	Part of Purnea District	1936-37	1937	1 8	(*a*)
73 F/12	Parts of Singhbhūm District, Keonjhar and Mayūrbhanj States.	1911-13	1938	1 8	Second Edition.
83 J/9	Parts of Nāga Hills and Sibsāgar Districts.	1915-16	1938	1 8	Ditto.
†94 C/14	Parts of Pegu, Thaton and Toungoo Districts.	1883-85 1894-96 1900-01 1905-06	1938	1 8	Ditto.

* Gridded copies of these maps can be supplied at annas three per copy extra.

† Copies of these maps are obtainable from the Curator, Government Book Depot, Rangoon, Burma.

The following was also published during the month and is obtainable from the Director, Geodetic Branch, Survey of India, Dehra Dūn ;—

AUXILIARY TABLE II.

The prices of the following maps have either been reduced or fixed as shown below, with effect from the 18th May 1938 :—

	Unlayered. Rs. as. p.	Layered. Rs. as. p.
½" Public	1 8 0	..
½" Army	0 12 0	..
Southern Asia Series.		
Scale 1/2M Public	1 8 0	2 0 0
Scale 1/2M Army	0 12 0	2 0 0
Carte Internationale du Monde Series.		
Scale 1/M Public	1 8 0 (when published)	2 0 0
Scale 1/M Army	0 12 0	2 0 0
Do. do.		
Aeronautical edition Public	..	2 8 0
Aeronautical edition Army	..	2 8 0

Maps for *bona fide* educational purposes will be supplied at a discount of 50% on public prices.

C. G. LEWIS, Brigadier,

Surveyor General of India.

SURVEY OF INDIA.

NOTIFICATIONS.

Surveyor General's Office.

Calcutta, the 17th June 1938.

No. 1638.—Colonel C. M. Thompson, I.A., Director, Survey of India is granted, under the Fundamental Rules, leave preparatory to retirement on average pay for 2 months with effect from the 21st July 1938.

C. G. LEWIS,

Brigadier,

Surveyor General of India.

Office of the Director, Map Publication.

Calcutta, the 16th June 1938.

No. 115.—Mr. M. A. Khan, Extra-Assistant Superintendent, attached to No. 1 Drawing Office, Survey of India, Calcutta, is granted, under the Fundamental Rules, leave on average pay for 13 days with effect from the 20th June 1938, with permission to prefix and affix the Sundays on the 19th June 1938 and the 3rd July 1938, respectively, to his leave.

There is every expectation of Mr. Khan's returning to the post from which he proceeds on leave.

L. H. JACKSON,

Lt.-Colonel, I.A.,

Director, Map Publication.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 21st June 1938.

No. 21.—1. On return from leave Mr. E. S. Johnstone, is reposted as an Accountant, Reserve Bank of India, Madras, with effect from the 13th June 1938, *vice* Mr. T. Patrick reverted.

2. Mr. M. N. Roy is appointed to act as an Assistant Currency Officer, Reserve Bank of India, Issue Department, Calcutta, with effect from the afternoon of the 14th June 1938, *vice* Mr. D. K. Bose retired from service.

3. On return from leave Mr. R. M. Koppikar, is posted as an Accountant, Reserve Bank of India, Bombay, with effect from the close of business on the 18th June 1938, *vice* Mr. L. R. Bhandari proceeded on leave.

MANILAL B. NANAVATI,

Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Bombay, the 16th June 1938.

In pursuance of Section 28(1) (v) of the Imperial Bank of India Act, 1920, the Central Board have made the following appointment :—

Mr. B. A. C. Neville to officiate as Deputy Managing Director with effect from 1st July 1938, *vice* Mr. H. J. Fitz-Patrick.

W. LAMOND,

Managing Director.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 25th June 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE.

NOTIFICATION.

New Delhi, the 17th June 1938.

No. 4597.—Mr. R. Thomas, Botany Assistant on the establishment of the Sugarcane Expert, Coimbatore, is appointed to the Class II post of Assistant Sugarcane Expert on probation for one year with effect from 30th June 1938.

B. VISWA NATH,
Director.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona 5, the 14th June 1938.

No. G.-16215/P.-64.—Mr. V. Doraiswamy Iyer, B.A. (Madras), Assistant Meteorologist, Poona, is granted an extension of leave on average pay for one month with effect from 12th June 1938, in continuation of the leave granted to him in this Department Notification No. G.-13019/P-64, dated 17th May 1938.

No. G.-16216/P.-64.—Mr. C. P. Menezes, B.A., B.Sc. (Bombay), Assistant, Meteorological Office, Poona, continues to officiate as Assistant Meteorologist *vice* Mr. V. Doraiswamy Iyer granted extension of leave.

No. G.-16222/P.-244.—Mr. B. K. Roy, M.Sc. (Cal.), Assistant Meteorologist, Calcutta, has been granted leave on average pay for 15 days with effect from the 1st June 1938.

No. G.-16223/P.-244.—Mr. U. N. Ghosh, M.Sc. (Cal.), Professional Assistant, Dum Dum, has been appointed to officiate as Assistant Meteorologist *vice* Mr. B. K. Roy granted leave.

C. W. B. NORMAND,
Director General of Observatories.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 17th June 1938.

No. 61-An.—Mr. H. C. De, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, is granted combined leave on medical certificate for one month and 28 days with effect from the forenoon of the 18th March 1938, consisting of privilege leave for 22 days and furlough on full average salary for the remaining period, with permission to prefix the gazetted holidays from the 15th to the 17th March 1938.

No. 62-An.—Mr. M. K. Hariharan, an officer of the Superior Staff of the Military Accounts Department has been granted earned leave for the 9th and 10th May 1938.

Simla, the 22nd June 1938.

No. 64-An.—Mr. A. Swaminatha Aiyar, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Southern Command, is granted privilege leave for 18 days, with effect from the 1st June 1938.

No. 65-An.—Mr. V. K. Vaidya, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Southern Command, reverted to his substantive grade, with effect from the 4th June 1938 (A. N.).

J. PARLBY,

Military Accountant General.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATIONS.

New Delhi, the 21st June 1938.

No. EB.-15.—Mr. J. C. Puri, Assistant Aerodrome Officer, Karachi Air Port, is granted earned leave for 52 days with effect from the 1st June 1938, or the date from which it is actually taken.

No. EB.-15 (i).—Mr. O. N. Dang, Assistant Aerodrome Officer, Ahmedabad, is granted earned leave for 10 days, with effect from the 10th June 1938 or the date from which it is actually taken and posted to Karachi Air Port, on the expiry of his leave.

F. TYMMS,

Director of Civil Aviation in India.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

Simla, the 20th June 1938.

No. S.-100/12/37.—Mr. R. B. Dennis, Divisional Engineer, Telegraphs, is granted leave on average pay for two days, with effect from the 20th December 1937.

Simla, the 21st June 1938.

No. S.-107/9.—Mr. M. N. Mirza, Assistant Divisional Engineer, Telegraphs, in charge of the Agra division, is granted leave on average pay for one month, with effect from the 14th June 1938 or the date of his relief.

G. V. BEWOOR,

Director General of Posts and Telegraphs.

GOVERNMENT OF UNITED PROVINCES.

Education Department.

MISCELLANEOUS.

NOTIFICATION.

CORRIGENDUM.

Allahabad, the 17th June 1938.

No. F./431/XV-815/36.—In para. 2, of the Agreement published with this department Notification No. F. 306/XV-815-1936, dated June 28, 1938, regarding the acquisition of land for the North-India Mission, Allahabad, for "674 acres" read "6·74 acres".

By Order etc.

P. M. KHAREGAT,

Secretary to Government,
Education Department,
United Provinces.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 17th June 1938.

No. O.P.E. 418/P. 5.—Mr. K. P. Modwell, Executive Engineer, Junior Scale, was granted one month and 10 days leave on average pay in India with effect from the 25th April 1938.

No. O.P.E. 418/P. 5.—Mr. P. Sahai, Assistant Superintendent, Junior Scale, on probation, Mechanical Engineering and Transportation (Power) Department was granted one day's leave on average pay *plus* 20 days leave not due on half average pay in India on medical grounds with effect from the 29th March 1938.

No. O.P.E. 418/P. 5.—Mr. K. B. Mathur, Assistant Superintendent, Junior Scale, Transportation (Traffic) and Commercial Department has been granted leave on average pay for six weeks with effect from the 27th May 1938.

J. A. BELL,

Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATIONS.

Calcutta, the 13th June 1938.

No. 18.—With reference to this office Notification No. 13, dated 1st April 1938, Mr. M. Karmokar, Assistant Engineer, was granted an extension of leave on average pay for 10 days with effect from the 22nd May 1938.

R. W. TAYLOR,

Chief Engineer.

Calcutta, the 16th June 1938.

No. 19.—Mr. R. H. James, Assistant Traffic Superintendent, is granted leave on average pay for one month with effect from the 10th June 1938.

L. W. VAN SOMEREN,

Traffic Manager.

NORTH-WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 10th June 1938.

No. 68.—Mr. F. R. Hawkes, O.B.E., V.D., Chief Commercial Manager, is granted leave on average pay for two months and fourteen days with effect from 23rd July 1938 or subsequent date of relief.

J. MACKINNON,

Agent.

Lahore, the 17th June 1938.

No. 70.—Mr. J. A. W. Gillis, Junior Assistant Commercial, is granted leave on average pay for two months, with effect from 18th July 1938 or subsequent date of relief.

J. MACKINNON,

General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATIONS.

Bombay, the 16th June 1938.

No. 21620-S.-2159.—Mr. J. H. F. Raper, officiating Agent, availed himself of 5 months and 7 days combined leave (*viz.* 3 months and 5 days privilege and 2 months and 2 days furlough on half pay) from 1st November, 1937, instead of 7 months and 2 days from that date, as previously notified.

Mr. V. Nilakantan, Assistant Transportation Superintendent (Junior Scale) was granted 14 days leave on average pay from 25th August 1937.

Mr. J. C. Fernandes, Assistant Executive Engineer (Junior Scale) availed himself of 15 days leave on average pay from 6th May 1938.

Mr. R. W. Wilson, Assistant Executive Engineer (Junior Scale) was granted 1 month's leave on average pay from 11th May 1938.

Mr. S. H. P. Lincke, Deputy Controller of Stores, availed himself of 8 months and 9 days combined leave (*viz.* 1 month and 19 days privilege and 6 months and 21 days furlough on half pay) from 25th September 1937 instead of 10 months leave from that date as previously notified.

Mr. T. F. Hill, Assistant Engineer (Lower Gazetted Service) was granted 18 days leave on average pay from 9th May 1938.

Mr. J. B. Barclay, Goods Superintendent (Senior Scale) has been granted 7 months combined leave (*viz.* 3 months and 22 days privilege and 3 months and 9 days furlough on half pay) with effect from 16th May 1938.

Mr. D. H. Hewitt, Officiating Deputy Chief Mechanical Engineer (C. & W.) has been granted 5 months and 8 days combined leave (*viz.* 4 months and 23 days on average pay and 15 days on half average pay) with effect from 3rd June 1938.

Mr. S. Barber, Assistant Transportation Superintendent (Junior Scale) has been provisionally confirmed in the Senior Scale with effect from 5th January 1938.

Mr. J. E. Jack, Assistant Executive Engineer (Junior Scale) has been appointed to officiate in the Senior Scale with effect from 14th April 1938.

Mr. L. S. Johnson, Assistant Executive Engineer (Junior Scale) has been appointed to officiate in the Senior Scale with effect from 22nd April 1938.

Mr. B. N. Sen Gupta, Laboratory Assistant, has been appointed to officiate as Chemist and Metallurgist in the Lower Gazetted Service, with effect from 9th May, 1938.

Mr. S. K. Mukerji, Assistant Traffic Manager (Junior Scale) has been appointed to officiate as Divisional Traffic Manager in the Senior Scale with effect from 16th May 1938.

Mr. C. M. R. Netscher, Senior Commercial Inspector, has been appointed to officiate as Assistant Traffic Manager in the Lower Gazetted Service, with effect from 16th May, 1938.

Mr. J. E. Bottomley, Mechanical Engineer (Senior Scale) has been appointed to officiate as Deputy Chief Mechanical Engineer (Loco.) with effect from 3rd June 1938.

J. H. F. RAPER,

Agent.

Bombay, the 16th June, 1938.

No. 21620-S.-2165.—Mr. O. G. Edwards, Controller of Stores, has been granted 4 months and 15 days combined leave (*viz.* 1 month and 17 days privilege and 2 months and 28 days furlough on half pay) with effect from 6th June, 1938.

Mr. E. C. Kotiswaran, Assistant Transportation Superintendent "Power" (Junior Scale) was granted 16 days leave on average pay with effect from 9th May, 1938.

J. H. F. RAPER,

General Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, JULY 2, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

PRICE OF SINGLE ISSUES.

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Complete Gazette including Supplement, but *excluding* Part I-A.	1	0	0
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Parts I-A, IV or V each	0	3	0
Extraordinary issues	Price fixed for each issue individually.		

There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 2nd July 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

June 18, 1938.

25351. Imperial Chemical Industries Ld. Improvements in or relating to the high-vacuum distillation of fats and fatty oils. (June 18, 1937).

June 20.

25352. The Bombay Dyeing & Manufacturing Co., Ld. Improvements in or relating to the production of material patterned in colour. (March 29, 1938).
25353. R. Santhanam. An improved coinfreed apparatus.
25354. Texaco Development Corporation. Improvements in or relating to manufacture of antiknock motor fuel hydrocarbons.
25355. R. L. Rude. Improvement in flowing materials processing.
25356. I. Rasanen. A building material for walls, floors, roofs and the like.
25357. I. Lovens. Method for the preparation of a product for blending liquid fuel, hydrocarbons, alcohols and the like, for explosion and internal combustion engines.
25358. Imperial Chemical Industries, Ld. Improvements in or relating to the treatment of textiles. (June 28, 1937).
25359. T. W. Chick. Improvements in or relating to calculating machines. (June 28, 1937).
25360. N. V. Octrooien Maatschappij "Activit". A process of and apparatus for the continuous mixing of substances. (July 12, 1937).
25361. Research Corporation. The manufacture of pyrimidine compounds. (June 2, 1937) [Divisional Date July 5, 1937.]
25362. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to ultra high frequency apparatus.
25363. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to electron discharge tube amplifiers.
25364. The Superheater Co., Ld. Improvements relating to steam superheater and like elements.
25365. The Flexcell Co. Method of preparing expansion joint.
25366. Houdry Process Corporation. Production of motor fuels.

June 21.

25367. C. W. P. Van der Meyden. A continuous settler.
25368. L. Muller. Improvements in or relating to the manufacture of refractory materials (June 22, 1937).
25369. O. Reynard and Thomas Ness, Ld. Improved process and apparatus for the distillation of tar or pitch. [Addition to No. 24886]. [Divisional Date January 31, 1938].
25370. The Linde Air Products Co. Improvements in the deseaming, cutting and flame-machining of metal work. (May 13, 1938).

June 22.

25371. Dr. L. Ubbelohde. A process for the production of crimped artificial textile fibres and like materials.
25372. N. V. Exploitatie Maatschappij Voor Chemische Uitvindingen (E. C. U.). A process and apparatus for obtaining spinnable fibres and cellulose from plants or parts of plants.

June 23.

25373. Naamlooze Vennootschap: Maatschappij tot Exploitatie van "ten Bosch Octrooien N. V." Device for filling a compression matrix or a similar space with a pulverulent material. [Addition to No. 21940].

June 24.

25374. C. Rai. An improved bucket or piston head used in pumps for drawing water.
25375. S. N. Das. A simple mechanical device to automatically avert railway collisions and accidents of like nature.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23809. Auto Union A-G. Improvements in and relating to the manufacture of carriage bodies and other parts appertaining thereto, particularly although not essentially for motor vehicles. *Pressing important parts from artficial resins, giving desired shape in one operation.*

23900. Auto Union A-G. Improvements in and relating to the building of carriage bodies, particularly although not essentially for motor vehicles. *Upper carriage structure made of artificial resin, joined to flooring of wood or metal.*

24121. M. T. Zarotschenzeff. Method and apparatus of rapid chilling or freezing. *A brine cooler and filter at the top and series of baffles and means for circulating refrigerating liquid to nozzles.*

24122. M. T. Zarotschenzeff. Method of freezing with sugar syrups. *Refrigerated liquid comprising a sugar syrup or natural juice.*

24135. Mistry Mohd. Din. Cotton or like fibrous material combing machine. *Drum consisting of a series of independent curved blade carrying combing needles, enclosed in a cylindrical casing with end openings.*

24136. Saraswati Industries, Ld. Overflow for oil engines. *Spring operated valve worked by movement of governor.*

24139. Saraswati Industries, Ltd. Improved means of lubricating crankshaft journals. *Separate cup communicates with oil box and end depression in journal brass.*

24140. Saraswati Industries, Ld. Overflow actuating means connected to governors for oil engines. *Spring operated actuating lever controlled by the governor.*

24143. F. Rauchfuss. Improvements in kitchen and like utensils. *Comprising a sheet metal with apertures having peripheral edges, one of which at least being sharpened and oblique.*

24170. J. N. Curtis. Improved method of or means for securing hose pipes to nipples and the like. *Band passed round the hose has its ends engaged in a sleeve.*

24211. R. P. Pescara. Improvements in and relating to free piston compressors. (July 13, 1936). *Additional pneumatic compensating cushion arranged to act on a compensating piston connected to compressor piston of the first stage.*

24320. Auto Union A-G. Improvements in and relating to the manufacture of carriage bodies, particularly for motor vehicles. *Parts of body pressed out of layered artificial resin and form after assembly continuous upper edge corresponding to the edge of pressed roof.*

24321. Auto Union A-G. Carriage bodies for motor vehicles using reinforced artificial resin or the like as the main material of construction. *Outer shell made of layered artificial resin is attached to inner facing at borders of window or other openings.*

24433. Brevets Francotte Pour Chassis de Fenetres Metalliques, Societe Anonyme, En Abrege "Francochass". Improvements in or relating to horizontally sliding sash window frames and the like. *Sashes are displaced in sliding planes which are on one side and the other of closing plane,* i.e., *the plane for closed position.*

24561. Geha-werke Gebruder Hartmann. Means for fastening stencils in rotary stencil duplicators. (February 4, 1937). *By press stud fastening.*

24575. Lal Chand. Improved lubrication means for hand pumps. *Handle of pump provided with lubricating channels.*

24636. The British Steel Piling Co., Ld. and A. Hiley. Improvements in ramming devices and methods of use in constructing concrete piles and the like. (December 14, 1936). *One or more auxiliary wedges between body of ramming device and wedge-like gripping member engaging wall of preparatory tube.*

24722. C. Chilowsky. Improvements in mercury contactors for electric circuits. *Mercury column divided into two portions connected together by a tube of small section.*

24733. Metallgesellschaft Aktiengesellschaft. Improvements in or relating to the catalytic production of hydrocarbons from gases containing hydrogen and oxides of carbon. *Maintaining the paraffin formed on the contact mass below 100 per cent.*

24774. I. G. Farbenindustrie Aktiengesellschaft. Improvements in the production of fast dyeings. (December 24, 1936). *Treating the goods with the solution of a diazo compound having affinity to the goods to be dyed, and with a coupling agent.*

24831. Maybach-motorenbau, Gesellschaft mit beschrankter Haftung. Mechanism for controlling the pressure medium of power-operated speed changing mechanism. (Addition to No. 22547). *Separate operating lever for control mechanism independent of accelerator pedal.*

24892. G. H. Sheffield, and G. H. Sheffield & Co. (Engineers) Ld. Improvements in the construction of bogie trucks for railway and like vehicles. (August 27, 1937). *Side frame connected together by an upper and a lower beam with their major ones horizontal.*

24951. Fichtel & Sachs Aktiengesellschaft. Free wheel hubs with a back-pedalling brake driven by a motor mounted in the driving wheel. *Reacting torque of engine is transmitted to vehicle frame by spring member arranged between engine and stationary part of free-wheel brake hub.*

24952. H. Brammer. Improvements in or relating to driving belts. (February 17, 1937). *In belts having links assembled by studs, collar located between link and stud head.*

24988. C. W. Cheney & Son, Ltd., and C. W. Cheney. Improvements in keys for locks. *Made of folded blank, folded halves being integrally joined at end of shank.*

24995. Dr. Ing. C. Weicken & Co. Kommanditgessellschaft. Improvements in filling and closing devices for cigarette casings. *Combination of feeding, filling, transfering closing and safety devices.*

25011. Dunlop Rubber Co. (India), Ld. Improvements in and relating to surfaces for sitting and reclining upon. *Plurality of ledges provided intermediate the upper and lower surfaces of a well in receiving load transmitted by upholstery.*

25029. J. E. Ilbery. A combination slotted bolt and slot indicator with an adjustable locking nut. *Nut having cylindrical extension with one or more annular rows of radial perforations.*

25043. S. H. Lundberg and G. H. Flodin. A method of extracting magnesium oxide from sea water in an electro-chemically way. (March 19, 1937). *Sea water passed through the cathode cell of the electrolyser and the precipitated magnesium oxide, separated and burnt to oxide.*

25048. Osterreichische Chemische Werke Gesellschaft m. b. H. Process for the electrolytic production of persulphuric acid and persalts and apparatus for carrying out the process. *Electrolytic cells assembled in filter press like manner in which the cooling liquid flows through a chamber formed by the anode of one cell and the cathode of the adjacent cell.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23978. Sub-Conductor Carter.
23993. The Raleigh Cycle Co., Ld. and Rawlings.
24017. Standard Telephones and Cables, Ld.
24222. Ahmad.
24450. The General Electric Company, Limited.
24568. Vyas.
24577. Remfry.
24646. The Eastern Engineering Co.
24693. J. Halden & Co., Ld. and Holden.
24734. The English Electric Co., Ld.
24777. Datta.
24788. Kershaw and Westinghouse Brake and Signal Co., Ld.
24850. International Combustion, Ld., and Harlow.
24861. The General Electric Co., Ld.
24900. McWilliam, Goodman and McLeod & Co., Ld.
25205. Datta.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23669. Prosthetic Products, Ld.
23810. Gillespie.
23840. Sidhwa and Kanga.
24158. Standard Oil Development Co.
24328. J. Stone & Company, Limited.
24483. N. V. Philips' Gloeilampenfabrieken.
24496. Das.
24531. Ganapath Rao.
24578. Dunlop Rubber Co. (India), Ld.
24580. Bennett.
24592. Marconi's Wireless Telegraph Co., Ld.
24606. I. G. Farbenindustrie Aktiengesellschaft.
24618. Willis.

Patents Sealed.

23269. Dr. Khan.
23516. Jansen.
23629. Cresswell.
23642. Marconi's Wireless Telegraph Co., Ld.
23658. Nasmith.
23688. Metropoliton-Vickers Electrical Co., Ld.
23690. Marconi's Wireless Telegraph Co., Ld.
23787. Karanjkar.
23793. National Malleable & Steel Castings Co.
23811. Gillespie.
23870. Metallgesellschaft Aktiengesellschaft.
24066. Poor & Co.
24230. Gad.
24231. Miehle Printing Press & Manufacturing Co.
24236. I. G. Farbenindustrie Aktiengesellschaft.
24266. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny & Cirey.
24297. Knoll A.-G. Chemische Fabriken.
24317. Knoll A. G. Chemische Fabriken.
24324. Metra Maatschappij Voor Verduurzaming Van Zuivelproducten N. V.
24436. Vereinigte Gluhlampen Und Elektrizitats Aktiengesellschaft.
24437. Solution Trust, Ld.
24438. Solution Trust, Ld.
24444. Owens-Illinois Glass Co.
24464. Metropolitan-Vickers Electrical Co., Ld.
24466. Metropolitan-Vickers Electrical Co., Ld.
24506. Maybach-Motorenbau Gesellschaft mit beschrankter Haftung.
24518. Paterson.
24520. Blairs, Ld. and Lamont.
24527. Osborn and H. J. Osborn & Sharp, Ld.
24543. Callender's Cable and Construction Co., Ld.
24544. Joseph Migg, Ld.
24550. Seri Holding S. A.
24558. E. I. du Pont de Nemours & Co., and Westbrook.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

15713. Balkrishna Narayan Bidye.

Renewal Fees Paid.

PATENTS.

10779. Stewarts & Lloyds, Ld. and anr. (To 27th October 1939).
11500. Universal Oil Products Co. (To 21st July 1939).
11538. Poulsen and anr. (To 3rd August 1939).
11559. Western Electric Co., Ld. (To 10th August 1939).
11649. The Anode Rubber Co., Ld. (To 9th September 1939).
12617. National Metal & Chemical Bank, Ld. (To 27th September 1939).

13555. Standard Telephones and Cables, Ld. (To 29th August 1939).
15549. The Superheater Co., Ld. (To 21st August 1939).
15946. A. M. Byers Co. (To 2nd July 1939).
15947. A. M. Byers Co. (To 2nd July 1939).
15948. A. M. Byers Co. (To 2nd July 1939).
15949. A. M. Byers Co. (To 2nd July 1 939).
15950. A. M. Byers Co. (To 2nd July 1 939).
15978. Pohl. (To 9th July 1939).
16049. Aluminium, Ld. (To 22nd July 1939).
16079. The L. W. Thackwell Spring Equipment Co., Ld. (To 15th August 1939).
16268. The General Electric Co., Ld. (To 15th August 1939).
17212. Smith and ors. (To 6th August 1939).
17253. Standard Telephones and Cables, Ld. (To 4th August 1939).
17298. Societa Invenzioni Brevetti Anonima-Torino. (To 18th August 1939).
17303. Ware. (To 18th August 1939).
17318. Universal Winding Co. (To 13th September 1939).
17400. Dunlop Rubber Co., Ld. and ors. (To 23rd September 1939).
18170. Whitelegg. (To 29th August 1939).
18173. Robinson. (To 6th July 1939).
18185. Universal Oil Products Co. (To 13th July 1939).
18190. Rogers. (To 15th July 1939).
18210. Standard Telephones and Cables, Ld. (To 1st August 1939).
18225. Dubern and ors. (To 29th July 1939).
18311. Bentley and anr. (To 31st August 1939).
18312. Ide and anr. (To 31st August 1939).
18313. Pentley and anr. (To 31st August 1939).
18357. The General Electric Co., Ld. (To 11th August 1939).
18433. Electrical Research Products Inc. (To 18th August 1939).
19050. Allmanna Svenska Elektriska Aktiebolaget. (To 8th July 1939).
19051. Allmanna Svenska Elektriska Aktiebolaget. (To 8th July 1939).
19054. Olsen. (To 11th July 1939).
19084. The Railway Supplies Co., Ld. (To 25th July 1939).
19830. Crudo. (To 18th April 1939).
20059. The General Electric Co. Ld., and anr. (To 5th August 1939).
20064. Rogers. (To 4th July 1939).
20076. The British Power Railway Signal Co., Ld. and ors. (To 14th July 1939).
20099. Allmanna Svenska Elektriska Aktiebolaget. (To 21st July 1939).
20100. Allmanna Svenska Elektriska Aktiebolaget. (To 21st July 1939).
20132. Rogers. (To 31st July 1939).
20149. Vereinigte Stahlwerke Aktiengesellschaft. (To 7th November 1939).
20179. Society of Chemical Industry in Basle. (To 22nd August 1939).
20180. Dr. Carp and anr. (To 22nd August 1939).
20946. Leslie and anr. (To 28th June 1939).
20969. McKean and anr. (To 14th July 1939).
20973. The General Electric Co., Ld. (To 30th August 1939).
20985. Universal Oil Products Co. (To 3rd July 1939).
21022. Kort. (To 16th July 1939).
21082. White. (To 13th August 1939).
21528. Lake. (To 25th June 1939).
22008. Gatford. (To 1st August 1939).
22022. The General Electric Co., Ld. (To 10th August 1939).
22025. W. Hargreaves & Co., Ld. and anr. (To 24th July 1939).
22048. Low Temperature Carbonisation, Ld. (To 21st August 1939).
22049. Low Temperature Carbonisation, Ld. (To 21st August 1939).
22053. Fitzgerald. (To 26th July 1939).
22089. The General Electric Co., Ld. (To 7th August 1939).
22319. Shimwell. (To 15th September 1939).

Cessation of Patents.

16826. Hudson.
18736. Associated Electrical Industries, Ld.
18738. Beaver and ors.
20697. Hayes-Gratze.
20701. The Grasseli Chemical Co.
20702. Jaeck.
20706. I. G. Farbenindustrie Aktiengesellschaft.
20708. Deutsch and ors.
20712. The Boys' Industrial Home.
21002. Briggs.
21675. The Chloride Electrical Storage Co., Ld.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets :—

Class 4. No. 62895. The Indian Ferro Concrete Co., at present of No. 18, Raja Woodmunt Street, Calcutta. December 23, 1937.

Class 4. No. 63293. Messrs. Kidar Nath Gupta Habibullah Khan, C/o Vaish Bangles Works, Station Road, Ferozeabad, Dist. Agra, U. P. (British India). April 28, 1938.

Class 11. No. 63325. Ahmed Ebrahim Brothers, of No. 15, Zakaria Street, Calcutta, Bengal, British India, and also at 716/720, Merchant Street, Rangoon, Burmah. May 19, 1938.

Class 13. Nos. 63365 to 63370. Alarakh Khajuji Chhipa near Nagin Masjid, Tajpur, Ahmedabad. June 6, 1938.

Class 13. No. 63371. The Mafatlal Fine Spg. & Mfg. Co., Ld., of Navsari, Baroda State. June 6, 1938.

Class 13. Nos. 63384 and 63385. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. June 8, 1938.

Class 13. No. 63388. The Bombay Co., Ld., of 19, British Indian Street, Calcutta. June 11, 1938.

Class 13. Nos. 63390 to 63402. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. June 11, 1938.

Class 13. Nos. 63406 to 63409. The Standard Mills Co., Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. June 11, 1938.

Class 13. No. 63410. The Indian Bleaching, Dyeing and Printing Works, Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. June 11, 1938.

Class 14. Nos. 63403 to 63405. The Calico Printers' Association, Ltd., of St. James's Buildings, Oxford Street, Manchester, England. June 11, 1938.

Extension of Copyright in Designs.

Copyright in the following design has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of the entry is the date of registration of the design included in the entry :—

Class 4. No. 36494. The Stirling Bonding Co., Ld., of 80, West Nile Street, Glasgow, Scotland. September 21, 1928.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON . (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON. . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

Simla, the 24th June 1938.

No. S.-75/6.—Rai Sahib S. P. Sarbadhikari, Assistant Deputy Director-General, is granted an extension of leave on average pay for one month, with effect from the 3rd July 1938.

Mr. D. Bhima Rao, Superintendent of Post Offices, will continue to officiate as Assistant Deputy Director-General, *vice* Rai Sahib S. P. Sarbadhikari.

Simla, the 27th June 1938.

No. S.-107/8.—This Department Notification No. S.-107/8, dated the 8th June 1938, regarding the grant of leave to Mr. F. W. Kelly, Assistant Divisional Engineer, Telegraphs, is cancelled.

No. S.-177/9.—Mr. H. R. Sausman, Assistant Superintendent, Central Telegraph Office, Calcutta, is permitted to retire from service, with effect from the 28th November 1938.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

COLLECTOR OF SALT REVENUE, MADRAS.

NOTIFICATION.

Madras, the 14th June 1938.

R. Dis. No. 5666/Salt/37-38.—In supersession of the notification published on pages 1392 and 1393 of the *Gazette of India*, Part II, dated the 18th December 1926, the following rules for the manufacture and refinement of saltpetre are prescribed by the Collector of Salt Revenue, Madras, under sections 38, 39 and 85-A (*c*) of the Madras Salt Act, 1889 (Act IV of 1889), as amended by the Madras Decentralisation Act, 1914, and the Salt Law Amendment Act, 1925 (Act XXII of 1925):—

1. Saltpetre shall not be manufactured and salt shall not be educed in the process of such manufacture except under and in accordance with the conditions of a licence granted under these rules.

2. Applications for licences for the manufacture of saltpetre shall be made in writing—

   (i) in the Districts of Bellary, Anantapur, Kurnool and Cuddapah to the Inspector of Salt Revenue, Kanuparti Circle;

   (ii) in the Districts of Chittoor, North Arcot, Salem, Coimbatore, the Nilgiris and Trichinopoly to the Salt Inspector, Coimbatore; and

   (iii) in other parts of the Presidency to the Inspector of the Salt Circle in which the intended factory lies.

Applications shall contain the description and locality of the proposed work with particulars of the plant, the cubical contents of the boiler or boilers and the exact area of the filtering surface and, in the case of refineries, shall be accompanied by the fee prescribed in Rule 4.

3. A work may consist of one or more boilers the total cubical contents of which do not exceed 21 cubic feet and one or more filters the total area of which does not exceed 50 sq.ft. The licence fee hereinafter prescribed is for one work with plant of the above dimensions or less. Any excess in the plant over the prescribed dimensions will require a separate licence, for which (in the case of refineries) a separate fee will be charged according to the rate prescribed in the following rule. The plant specified in the licence shall not be altered nor the locality of the works changed without the prior sanction of the officer competent to grant the licence.

4. The licence fee for each work for refining crude saltpetre is Rs. 15 for one calendar year. No fee will be charged for the grant of a licence for the manufacture of crude saltpetre.

5. Licences granted under these rules shall be in the forms annexed hereto. They shall run for the period ending on the 31st day of December following the date of issue and shall be returned to the Inspector on the expiry of the period.

6. Duplicates of licences lost or destroyed during the period of their currency may be obtained on payment of a fee of Re. 1 each.

7. No licence shall be granted for the manufacture of saltpetre unless the Inspector is satisfied that the soil in the vicinity of the place of manufacture and the soil from which saltpetre is to be produced does not contain such a high percentage of chloride of sodium as to render the manufacture a source of danger to the Salt Revenue and unless the work is so situated that it can without difficulty be supervised by the officers of the Salt Department.

8. Licensees shall produce their licences for inspection when called upon to do so by any Magistrate or by any Police Officer not below the rank of Inspector or by any officer of the Salt Department not below the rank of Sub-Inspector or by any subordinate officer generally or specially deputed by order in writing by any such officer of the Salt Department for such purpose.

9. All licensed works and all premises connected therewith shall be open at all times by day and night to the inspection of any of the officers mentioned in the preceding rule.

10. Duty shall not be levied on any salt educed in the manufacture and refinement of saltpetre duly licensed under Rule 2 above. Salt educed in the manufacture of crude saltpetre shall be disposed of only in the village in which the work producing it is situated. If the concession of manufacture or collection of salt under the Delhi Pact is withdrawn from an area containing works for the manufacture of crude saltpetre, no salt shall be educed in such works.

11. (*a*) If any licensee or his servants or agent employed by him in the supervision or management of any work for which he holds a licence shall be convicted of any breach of these rules, or

(*b*) if any servant or agent employed by any such licensee in his business carried on at such work though not in the supervision or management thereof, shall be convicted of any breach of these rules under circumstances leading to the belief that the act or omission of which he is convicted was done with the privity and consent of such licensee, or

(*c*) if any licensee or any servant or agent employed by such licensee in the business carried on by him under his licence refuse or without reasonable excuse neglect to produce such licence or to show the boilers, filters and other plant for inspection or measurement when called on by any officer authorised to inspect them,

such licence shall be liable to be suspended or cancelled by order of the Assistant Commissioner of the Division.

Provided always that if in any case falling under clause (*c*) of this rule, the Assistant Commissioner be of opinion that the penalty of suspension or cancellation of the licence would be unduly heavy, having regard to the nature of the case or to the means of the licensee, it shall be lawful for the Assistant Commissioner, when ordering suspension or cancellation of the licence, to offer the holder thereof the option

of paying in lieu such fine, not exceeding the sum of Rs. 5 as the Assistant Commissioner may consider equitable. Fines so imposed shall be paid within ten days from the date of the order imposing them, failing which the order of suspension or cancellation of the licence shall take effect in the same way as if no option of the payment of a fine had been offered. There shall be no appeal against the adjudication of an optional fine under this rule. An appeal may be preferred against the amount of such fine but such appeal shall not be heard until the fine has been paid.

12. If any licensee under these rules shall be charged with any breach of them, the Inspector may order the suspension of his licence pending the result of enquiry into such charge.

13. Except as otherwise provided, all orders passed and proceedings taken under these rules shall be subject to appeal within three months from the date of such orders or proceedings, to the officer immediately superior to the officer passing the order. Subject to the right of the Collector to call for the documents relating to any proceedings taken under these rules and to amend the orders passed thereon, the decision of the appellate officer on any such appeal shall be final.

14. The Collector may at any time alter these rules or make such subsidiary rules and impose any further conditions as he may deem necessary for the protection of the revenue.

15. These rules will take effect from the 1st January 1939.

H. GREENFIELD,

Collector of Salt Revenue.

Custom House, Madras.

Dated 14th June 1938.

FORM A.

(Licence for the manufacture of refined saltpetre.)

Licence to manufacture and refine saltpetre and to separate and purify salt educed therefrom at in the village of in the taluk of in the District of is hereby granted to age under the following conditions, the infraction of any of which will involve the suspension or cancellation of the licence together with all other penalties which may be warranted by law or by rule having the force of law:

(1) That the rules prescribed by the Collector of Salt Revenue under sections 38, 39 and 85-A (c) of the Madras Salt Act, 1889 (Act IV of 1889) and any subsidiary rules which may be issued thereunder from time to time shall be strictly observed by the licensee and his agents and servants.

(2) That the plant specified below shall not be altered in shape or dimensions or the locality of the works changed without the written sanction of the officer of the Salt Department who is competent to grant licences.

(3) The refinery shall consist of boilers C. Ft. in capacity and filters Sq. Ft. in area.

(4) This licence shall have effect from the date hereof to the 31st December 19 .

Dated at

this day of

Inspector.

FORM B.

(Licence for the manufacture of crude saltpetre.)

Licence to manufacture crude saltpetre at in the village of in the taluk of in the District of is hereby granted to age under the following conditions, the infraction of any of which will involve the suspension or cancellation of this licence together with all other penalties which may be warranted by law or by rule having the force of law:

(1) That the rules prescribed by the Collector of Salt Revenue under sections 38, 39 and 85-A (c) of the Madras Salt Act, 1889 (Act IV of 1889), and any subsidiary rules which may be issued thereunder from time to time shall be strictly observed by the licencee and his agents and servants employed by him in the said manufacture.

(2) That the plant specified below shall not be altered in shape or dimensions or the locality of the work changed without the written sanction of the officer of the Salt Department who is competent to grant licences.

(3) The crude saltpetre work shall consist of boilers C. Ft. in capacity and filters Sq. Ft. in area.

(4) That salt educed in the manufacture of crude saltpetre in this work shall be disposed of only in the village in which the work is situated. If the concession of manufacture or collection of salt under the Delhi Pact is withdrawn from the area in which the work is situated, no salt shall be educed in the work.

(5) The licence shall have effect from the date hereof to the 31st December 19 .

Dated at

this day of

Inspector.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M. Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 2nd July 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

OFFICE OF THE DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATION.

New Delhi, the 23rd June 1938.

No. 98-P.—The services of No. 2332 Jemadar O. K. Sankaran, I.M.D., are placed at the disposal of the Chief Commissioner, Andaman and Nicobar Islands, Port Blair, with effect from the 15th May 1938.

N. M. WILSON,
Major-General, I.M.S.,
Director-General, I.M.S.

EAST INDIAN RAILWAY.

NOTIFICATION.

Calcutta, the 24th June 1938.

No. AE. 780/1.—Mr. E. L. M. Marcon, Assistant Superintendent, Lower Gazetted Service, Transportation (Traffic) and Commercial Department, was appointed to officiate as Superintendent, Senior Scale in that Department, from the 25th April 1938 to the 3rd June 1938 inclusive.

J. A. BELL,
Agent.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 18th June 1938.

No. 20.—Mr. H. D. Dhir, Probationary Officer was granted leave for 23 days, *viz.*, on average pay for 13 days and on half average pay for the remaining period, with effect from the 8th March 1938.

L. W. VAN SOMEREN,
Traffic Manager.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 25th June 1938.

No. 72.—Mr. J. R. Mehta, Assistant Personnel Officer, is granted leave on average pay for two months, with effect from 1st August 1938, or subsequent date of relief.

J. MACKINNON,
General Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, JULY 9, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P
Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

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	Including packing and Indian postage.		
	Rs.	A.	P.
Complete Gazette including Supplement, but *excluding* Part I-A	1	0	0
Parts I, II, II-A, III or Supplement each	0	6	0
Parts I-A, IV or V each	0	3	0
Extraordinary issues	Price fixed for each issue ndividually		

There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 9th July 1938.

SPECIAL NOTICE.

The following publication is now ready, and is on sale with the Manager of Publications, Civil Lines, Delhi, and also at the Government of India Central Book Depot, 8, Hastings Street, Calcutta (for local sale only), at Rs. 1-14 or 3*sh*. 3*d*. per copy :—

"The Annual Report of the Patent Office for the year 1937"

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

June 25, 1938.

25376. S. T. Gresham. Improvements in and relating to timber construction and more particularly to timber construction in connection with railway vehicles.

June 27.

25377. Universal Cellulose (Proprietary) Ld. Improvements in or relating to a fermentation process for the preparation of paper-pulp from incrusted cellulose fibres. (June 30, 1937).

25378. Howard and Bullough, Ld. Improvements relating to roller weighting arrangements in machines for the preparation and spinning of cotton and other textile fibres. (July 6, 1937).

25379. A. Loibl. Pedal reflector for cycles and the like.

25380. J. W. Eggert. Two-stage process for decomposing plants containing silicon, especially grain straw, to form highly refined cellulose.

25381. Les Usines De Melle. Improvements in or relating to the separation of olefines from gaseous mixtures.

25382. Lock Joint Pipe Co. Improvements in or relating to pipe joints. [Addition to No. 21070].

25383. W. P. Digby and E. T. Digby. Improvements in the treatment of copper-chromium alloy steels. [Divisional date July 3, 1937].

25384. Aristoc Ld. Improvements in or relating to cartons, envelopes and like containers. (February 16, 1938).

25385. Automatic Telephone & Electric Co. Ld. Improvements in automatic switches for use in telephone or like systems. (July 27, 1937).

25386. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to radio and like receivers. [Addition to No. 24761]. [Divisional date December 20, 1937].

June 28.

25387. H. A. G. Gunnelius and N. H. Liander An improved process for the recovery of type-metal and similar alloys. (December 9, 1937).

25388. D. H. Smith. An improved electric water. heater.

June 30.

25389. Henry Williams Ld. and O. R. Williams. Improvements in and relating to means for securing permanent way rails to their sleepers. (July 1, 1937).

25390. W. Reiners. Improvements in the method of winding filaments, and apparatus therefor.

25391. Milliken Valve Corporation. Improvements in lubricated valves. (August 18, 37).

25392. Standard Telephones and Cables Ld. Improvements in or relating to wireless direction finding systems. (July 9, 1937).

25393. Standard Telephones and Cables Ld. Improvements in or relating to railway track control and indicating panels. (July 9, 1937).

25394. Sharp & Dohme, Incorporated. Primary and secondary $\triangle$ 1-alkenyl cyanoacetic esters anamalonic esters and method of producing same.

25395. The Amplilux Lighting and Illumination Co. Ld. Improvements in or relating to light distributing devices. (July 16, 1937).

25396. The Amplilux Lighting and Illumination Co. Ld. Improvements in or relating to light distributing devices. (July 16, 1937).

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23842. H. Honnef. Improved method of storing energy produced from wind power. *Utilising part of the power for hydrogenation of carbonaceous material.*

24051. The Indian Hume Pipe Co. Ld. Improvements in and relating to the external coating of metal structures, such as pipes, tubes, conduits and the like, with concrete or other plastic coating material. *Placing pipe in vertical mould, feeding concrete, tamping or vibrating said concrete whilst the head of mould is rigidly secured to base plate.*

24157. R. P. Pescara. Improvements in or relating to free piston air or gas compressors. (July 13, 1936). *Assymetrical arrangement of compressor chambers with respect to internal combustion cylinder with compensating cushion.*

24167. W. P. Digby and E. T. Digby. Improvements in the heat treatment of copper-chromium alloy steels. (July 3, 1936). *Mechanical treatment at 650° C to 1000° C of steel containing at least 5 per cent. copper and 10 per cent. chromium.*

24235. J. M. Avery. Method of and means for operating blast furnaces. (June 12, 1937). *Supplying blast feed gas at super-atmospheric pressure and throttling the gas discharge from the furnace.*

24428. Dr. D. J. Van Aalst. Improvements in or relating to insulin containing suppositories and the like. *Incorporating insulin with a carrier substance and a non-irritating acid.*

24511. R. N. Guha. Bed Side Oxygen Generator. *Gas collected in a rubber bladder fitted with a pressure gauge and safety valve.*

24563. Olympia Oil and Cake Co., Ld. and P. D. Weston. A continuously operable machine for the expression of oil from oil bearing seeds. (November 20, 1936). *Chain and drum expeller in which the chain band moves in contact with the seeds the links form a continuous smooth operating surface expect for small passageways for the escape of the oil.*

24566. Houdry Process Corporation. Polymerization of gaseous hydrocarbons. *Subjecting gaseous hydrocarbons in liquid phase to the action of polymerising catalysts.*

24721. F. S. Kerr & Co., and N. A. Balvalli, Improvements in and relating to larvicides and insecticides. *Mixture of cardol and a hydrocarbon or vegetable oil.*

24787. Metal Carbides Corporation. Improved method of casting metals. (July 7, 1937). *Intimately admixing particles of metal with highly fluid molten metal mass (for immediate and uniform chilling and solidification).*

24794. Societe De Realisation Des Brevets E Procedes Xyloid. New plastic material and process for manufacturing the same. *Potassium silicate, calcium carbonate, sodium silicate, rosin, kaolin and magnesia mixed with dilute acid, casein and formaldehyde before incorporating cellulosic material.*

24857. Kingsbury Engineering Co., Ld. Improvements in and relating to type casting machines. (March 2, 1937). *Shifting type pieces clear of the line channel and casing each set of type characters to be delivered into the appropriate compartment of a compositor's tray.*

24884. E. B. Higgins. Improvements relating to the water-proofing treatment of textile fabrics and the like. *Impregnating with solution containing albumen or globulin, coagulating by heating, and treating with a higher fatty acid or soap.*

25083. E. C. Peters and D. C. Peters. Improvements in nuts. *For a major portion aperture cut of normal diameter with full normal allowance and for a minor portion of normal diameter less slightly more than normal allowance.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23703. The General Electric Co. Ld.
23864. Marconi's Wireless Telegraph Co. Ld.
24025. Lalkaka.
24033. Dr. Szegö.
24074. Michaelis.
24119. Standard Oil Development Co.
24200. Basil.
24329. Masterman.
24391. Agnihotri.
24392. Mukerjee.
24405. Datta.
24448. Warren.
24504. Thermit G. m. b. H.
24512. Bird & Company.
24583. The Western States Machine Co.
24584. Morgan.
24586. Shanks & Co. Ld., and Shanks.
24657. " Sachtleben " Aktiengesellschaft Fur Bergbau Und Chemische Industrie.
24740. Dunlop Rubber Co. (India), Ld.
24816. Tarkar.
24849. Pirie, Appleton & Co., Ld.
24896. Persson.
24924. Freeman.
24925. Procedes Techniques De Construction.
24931. Lofts.
24962. Fowler.
24972. Marconi's Wireless Telegraph Co., Ld.
24973. Marconi's Wireless Telegraph Co., Ld.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23717. Johnston.
23763. Arifuddin.
23913. Morley.
23915. Laird.
24218. Stewarts & Lloyds Ld.

24245. Ghose.
24262. N. V. Montan Export.
24342. Dr. David.
24347. Honnef.
24459. Mehta and Jolly.
24548. Corning Glass Works.
24612. Dr. C. Otto & Comp. G.m.b.H.
24621. Society of Chemical Industry in Basle.
24642. Bernier.

Patents Sealed.

20780. Patel.
20906. Patel.
23569. Warren.
23680. Knight.
23795. Elkington.
23880. Hattangdi.
23985. Ruhrchemie Aktiengesellschaft.
24209. Handstaubsauger Gesellschaft m.b.H.
24330. Masterman.
24366. Dutt.
24370. Amin.
24524. Lodge.
24525. E. I.du Pont de Nemours & Co.
24557. Metropolitan-Vickers Electrical Co. Ld.
24560. Chemical Works Formerly Sandoz.
24587. I. G. Farbenindustrie Aktiengesellschaft.
24588. E. I. Du Pont De Nemours and Co.

Opposition Proceedings.

The application for a patent No. 24352 made by Glenfield and Kennedy Ld., and E. B. Ball, Jr., against which an opposition was entered by K. Roy, as notified in Part II of the Gazette of India, dated the 14th May 1938, has been treated as abandoned.

Renewal Fees Paid.

PATENTS.

10536. The T. H. Symington Co. (To 4th August 1939).
10537. The T. H. Symington Co. (To 4th August 1939).
11795. Sharp and Dohme. (To 6th July 1939).
11796. Sharp and Dohme. (To 6th July 1939).
12672. Saxby & Farmer (India) Ld., and anr. (To 22nd October 1939).
13517. Kay. (To 10th August 1939).
13738. Brackensey and ors. (To 11th November 1939).
14689. Maratti Societe Anonyme. (To 13th August 1939).
14736. Imperial Chemical Industries Ld. (To 1st September 1939).
17181. Jessop & Co. Ld. (To 8th July 1939).
18158. Page and ors. (To 15th August 1939).
18322. The Dorr Co., Inc. (To 31st August 1939).
18454. Saxby & Farmer (India) Ld., and anr. (To 27th October 1939).
19211. Vereinigte Eisenbahn-Signalwerke Gesellschaft mit Beschrankter Haftung. (To 19th September 1939).
19266. Carson. (To 28th September 1939).
19882. Imperial Chemical Industries Ld. (To 13th September 1939).
20053. Calloy Ld., and anr. (To 4th July 1939).
20097. Reichsmonopolverwaltung fur Branntwein. (To 5th September 1939).
20127. Mergenthaler Linotype Co. (To 15th September 1939).
20166. The New Jersey Zinc Co. (To 14th August 1939).
20168. Societe Le Filastic (altered to Societe des Procedes Ecla). (To 14th August 1939).
20186. Kellett. (To 22nd August 1939).
20198. International De Lavaud Manufacturing Corporation Ld. (To 28th August 1939).
20780. Patel. (To 12th April 1939).
20906. Patel. (To 30th May 1939).
21006. Dr. Reiffenstein. (To 9th July 1939).
21025. Gilbert. (To 20th July 1939).
21126. Societe des Procedes Ecla. (To 27th August 1939).
21604. Clayton and ors. (To 3rd July 1939).
21778. The Dorr Co. Inc. (To 17th August 1939).
21955. Fegan. (To 9th July 1939).
22158. Varnon and ors. (To 10th September 1939).

Cessation of Patents.

10189. The International General Electric Co. Inc.
14199. Perry.
14210. Heatley and anr.
17887. The Standard Tile & Clay Works Ld.
19890. Electrofan Gesellschaft mit beschrankter Haftung.
19891. Electrofan Gesellschaft mit beschrankter Haftung.
20714. Dr Satow.
20726. Munker.
20727. Wyse.
20733. Kind.
20734. Butcher and anr.
21710. Fraser an ors.
21736. Fraser and ors.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets:—

Class 1. Nos. 63250 and 63251. Thoperrumbakkam Arumuga Mudaliar, Proprietor, The Swadeshi Type Foundry, Chintadripet, Madras. April 11, 1938.

Class 1. Nos. 6332 to 63382. British India. Electric Construction Co. Ld, of 103, Clive Street, Calcutta, Bengal, British India. June 6, 1938.

Class 13. Nos. 63261 to 63265. The Svadesh Mills Co. Ld., of "Bombay House", Bruce Street, Fort, Bombay. April 19, 1938.

Class 13. Nos. 63359 to 63364. The Standard Mills Co. Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. June 6, 1938.

Class 13. Nos. 63411 to 63414. The Bombay Dyeing & Manufacturing Co. Ld. of "Neville House", Graham Road, Ballard Estate, Bombay, British India. June 14, 1938.

(1)

Provisional subject matter index for the quarter ending 30th June 1938.

(2)

Name index of applicants for patents during the quarter ending 30th June 1938.

Weber, O. 25207.
Wellesley Holdings, Ld. 25115.
Westbrook, L. R. 25300.
Williams, J. C. 25260.
Williams, O. R. 25389.
Wilkinson, H. 25240.
Wilson, A. R. 25247.
Wilson, W. 25230.
Wingfoot Corporation. 25181.
Wrightson, S. S. 25144.

Y

Yamamoto, S. 25307.
Yoshida, K. 25114.
Young, C. W. 25247.

Z

Zahir-ud-Din, S. 25214.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library.
MADRAS	Record Office, Egmore.
Do.	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa.
POONA	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON.	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,
Controller of Patents and Designs.

CURRENCY NOTES.

NOTICE.

Bombay, the 30th June 1938.

Portions of the following note of the Bombay Office of Issue are stated to have been destroyed, and payment of its value has been claimed by the person whose name is placed against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
14 of 1938	S/63-574589	100	Mr. Modha Singh, son of Jang Singh, Nathana, District Ferozepore.

V. G. DESHMUKH,
Currency Officer.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT, BOMBAY.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Return of the Rupee Debt of the Central Government of India for 30th April 1938.

[Thousands of Ru

PUBLIC DEBT BEARING INTEREST.

Particulars.	Date of issue.	Conditions of Repayment.	Amount outstanding.	TOTAL.
			Rs.	Rs.
TREASURY BILLS .	..	....	47,77,75	
WAYS AND MEANS ADVANCES.	..	....	..	
POST OFFICE CASH CERTIFICATES.	..	....	59,96,38	
POST OFFICE SAVINGS BANK DEPOSITS.	..	....	79,78,46	
PROVIDENT FUNDS AND OTHER UNFUNDED DEBT.	..	....	95,73,07	2,83,25,66
TERMINABLE LOANS—				
5½% Loan, 1938-40 .	1st Oct. 1932 .	On or before 1st October 1940, but not preceding 1st October 1938, with three months' previous notice.	19,13,90	
5% Loan, 1939-44 .	15th July 1929	On or before 15th July 1944, but not preceding 15th July 1939, with three months' previous notice.	27,78,12	
5% Loan, 1940-43 .	1st Oct. 1932 .	On or before 1st October 1943, but not preceding 1st October 1940, with three months' previous notice.	25,18,48	
3% Bonds, 1941 . .	15th Sept. 1934	On 15th September 1941 .	10,67,32	
4% Bonds, 1943 . .	1st Feb. 1933 .	On 1st August 1943 . . .	14,97,18	
5% Income Tax Free Loan, 1945-55.	15th Oct. 1919	On or before 15th October 1955, but not preceding 15th October 1945, with three months' previous notice.	56,74,94	
3½% Loan, 1947-50 .	15th May 1933	On or before 15th November 1950, but not preceding 15th November 1947, with three months' previous notice.	55,94,37	
2¾% Loan, 1948-52 .	1st June 1936 .	On or before 1st June 1952, but not preceding 1st June 1948, with three months' previous notice.	12,01,28	
3% Loan, 1951-54 .	15th Sept. 1935	On or before 15th September 1954, but not preceding 15th September 1951, with three months' previous notice.	15,12,85	
4½% Loan, 1955-60 .	15th Sept. 1928	On or before 15th September 1960, but not preceding 15th September 1955, with three months' previous notice.	9,05,70	
4% Loan, 1960-70 .	15th Sept. 1926	On or before 15th September 1970, but not preceding 15th September 1960, with three months' previous notice.	63,30,26	3,09,94,40
NON-TERMINABLE LOANS—				
THREE AND HALF PER CENT.—				
1842-43 . . .	1st Feb. 1843 .	At the option of the Government of India after three months' notice.	24,54,21	
1854-55 . . .	30th June 1854.	Ditto . . .	20,80,12	
,, coupon (*a*) .	..	Ditto . . .	5,56	
1865 . . .	1st May 1865 .	Ditto . . .	38,43,91	
Reduced, 1879. .	16th Jan. 1879.	Ditto . . .	2,71,36	
1900-01 . . .	30th June 1900	Ditto . . .	36,46,95	1,23,02,11
THREE PER CENT.—				
1896-97 . . .	22nd July 1896.	Ditto . . .	3,23,54	3,23,54
RAILWAY LOANS—				
Maharaja Holkar, 4½ p. c.	(1870-77). .	After 101 years . . .	70,00	
Maharaja Scindia, 4 p. c.	..	..	1,50,00	2,20,00
		TOTAL .		7,21,65,71*

PUBLIC DEBT NOT BEARI[NG] INTEREST.

Particulars.	Date of discharge.
5½% War Bonds, 1920.	15th Aug. 1920.
5½% War Bonds, 1921.	15th Sept. 1921.
5½% War Bonds, 1922.	15th Aug. 1922.
5½% War Bonds, 1923.	15th Sept. 1923.
4% Terminable Loan of 1915-16.	30th Nov. 1923.
5½% War Bonds, 1925.	15th Sept. 1925.
6% Bonds, 1926.	15th Sept. 1926.
6% Bonds, 1927.	1st Oct. 1927.
5½% War Bonds, 1928.	15th Sept. 1928.
6% Bonds, 1930.	15th Aug. 1930.
6% Bonds, 1931.	15th Sept. 1931.
6% Bonds, 1932.	1st Oct. 1932.
5% War Loan, 1929-47.	15th May 1933.
4% Conversion Loan of 1916-17.	1st July 1933.
6% Bonds, 1933-36.	15th Aug. 1933.
5% Bonds, 1933.	1st Sept. 1933.
4% Loan, 1934-37.	16th Aug. 1934.
4½% Bonds, 1934.	15th Sept. 1934.
5% Bonds, 1935.	15th Sept. 1935.
6½% Treasury Bonds, 1935.	15th Sept. 1935.
TOTAL .	

(*a*) Issued in London in conversion of the 4½ per cent. Loan.
* Amount held in London is 7,65,86.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.
New Delhi, the 1st July 1938.

M. SUBRAHMANYAN,
Accountant General, Central Revenu[es]

CENTRAL ELECTRICITY BOARD.

NOTIFICATION.

Simla, the 28th June 1938.

No. A803.—In exercise of the powers conferred by section 37 of the Indian Electricity Act, 1910 (IX of 1910), as in force in Berar, and in supersession of the Berar Electricity Rules, 1927, the Central Electricity Board is pleased to make the following rules to regulate the generation, transmission, supply and use of energy, and generally to carry out the purposes and objects of the said Act, in Berar, the same having been previously published as required by sub-section (*1*) of section 38 of the said Act, namely:—

RULES.

CHAPTER I.

PRELIMINARY.

1. These rules may be called the Berar Electricity Rules, 1938.

2. (1) **Definitions.**—In these rules, unless there is anything repugnant in the subject or context,—

(*a*) "the Act" means the Indian Electricity Act, 1910, as applied to Berar; [IX of 1910].

(*b*) "ampere" means a unit of electric current, and is the electric current which, when passed through a solution of nitrate of silver in water, in accordance with the specification set out in Annexure I, deposits silver at the rate of 0·001118 of a gramme per second;

the aforesaid unit is represented by the current which is passing in and through the coils of wire forming part of the instrument marked "Government of India Ampere Standard Verified" when the suspended coil in its sighted position is exactly balanced by the force exerted by gravity in Calcutta on the iridio-platinum weight forming part of the said instrument;

(*c*) "Annexure" means an Annexure to these rules;

(*d*) "apparatus" means electrical apparatus, and includes all apparatus, machines, and fittings in which conductors are used, or of which they form a part;

(*e*) "bare" means not covered with insulating material;

(*f*) "circuit" means an electrical circuit forming a system or branch of a system;

(*g*) "concentric system" means a system in which a conductor, called the inner conductor, is insulated and in which the circuit is completed through one or more conductors, called the outer conductors, which are insulated from one another and are disposed over the insulation of, and more or less completely round, the inner conductor;

(*h*) "conductor" means an electrical conductor arranged to be electrically connected to a system;

(*i*) "covered with insulating material" means adequately covered with insulating material of such quality and thickness that there is no danger;

(*j*) "cut-out" means any appliance for automatically interrupting the transmission of energy through any conductor when the current rises above a predetermined amount;

(*k*) "danger" means danger to health or danger to life or limb from shock, burn, or other injury to persons, or from fire or explosion, attendant upon the generation, transformation, distribution, or use of energy;

(*l*) "dead" means at or about earth potential, and disconnected from any live system:

Provided that apparatus separated from a live conductor by a spark gap shall not be considered dead;

(*m*) "distributing licensee" means a licensee who obtains from another licensee or other source a supply of energy in bulk for distribution;

(*n*) "earthed" or "connected with earth" means connected with the general mass of earth in such manner as to ensure at all times an immediate discharge of energy without danger;

(*o*) "earthing system" means an electrical system in which all the conductors are earthed;

(*p*) "electrician" means a person who is over 21 years of age and is competent for the purposes of the rule in which the term is used and who has been appointed in writing by the lessee, owner, agent or manager of any apparatus for the purpose of supervising it;

(*q*) "Inspector" means an Electric Inspector appointed under section 36;

IV of 1923.] (*r*) "Inspector of Mines" means an Inspector appointed under the Indian Mines Act, 1923;

(*s*) "live" means electrically charged;

(*t*) "metallic covering" means iron or steel armouring, with or without a lead or other metallic sheath as the conditions of the case may require, or an iron or steel pipe surrounding one or more conductors;

(*u*) "neutral conductor" means that conductor of a multi-wire system, the pressure of which is normally intermediate between the pressures of the other conductors of the system;

(*v*) "non-licensee" means a person generating, supplying, transmitting or using energy to whom any of the provisions of Part III of the Act apply;

(*w*) "ohm" means a unit of electric resistance, and is the resistance offered to an electric current by a column of mercury at the temperature of melting ice 14·4521 grammes in mass of an uniform cross-sectional area and of a length of 106·3 centimetres;

the aforesaid unit is represented by the resistance between the terminals of the instrument marked "Government of India Ohm Standard Verified" to the passage of an electric current when the coil of wire forming part of the aforesaid instrument and connected to the aforesaid terminals is in all parts at a temperature of 30°C.;

(*x*) "open sparking" means sparking which owing to the lack of adequate provisions for preventing the ignition of inflammable gas external to the apparatus would ignite such inflammable gas;

(*y*) "owner", "agent" or "manager" of a mine have the same meanings as are assigned to them in sections 3 (*g*), 3 (*a*) and 15 (*1*), respectively, of the Indian Mines Act, 1923; [IV of 1923].

(*z*) "pressure" means the difference of electric potential measured in volts between any two conductors, or between any part of either conductor and the earth as measured by a suitable voltmeter, and is said to be—

(*i*) "low" where the normal pressure is not greater than 250 volts, and the pressure in no circumstances exceeds 263 volts;

(*ii*) "medium" where the normal pressure is greater than 250 volts but is not greater than 650 volts, and the pressure in no circumstances exceeds 683 volts;

(*iii*) "high" where the normal pressure exceeds 650 volts or the pressure at any time exceeds 683 volts;

(*aa*) "section" means a section of the Act;

(*bb*) "switchgear" means switches, cut-outs or fuses, conductors, and other apparatus in connection therewith, used for the purpose of controlling the current or pressure in any system or part of a system;

(*cc*) "system" means an electrical system in which all the conductors and apparatus are electrically connected to a common source of pressure;

(*dd*) "volt" means a unit of electro-motive force, and is the electric pressure which, when steadily applied to a conductor whose resistance is one ohm, will produce a current of one ampere; and

(*ee*) "watt" means a unit of power, and is the energy expended per second by an electric current of one ampere under an electric pressure of one volt.

Explanation.—With alternating current, the product of the instantaneous value of the amperes and the instantaneous value of the volts gives the instantaneous value of the power in watts, and the mean value, over a whole period, is the power in watts.

(2) In these rules other words and expressions have the same meaning as are assigned to them in the Act.

3. **Authorisation.**—(1) A licensee, a non-licensee or a consumer, or the owner, agent or manager of a mine, or the agent of any company operating in an oil-field or the owner of a drilled well in an oil-field or a contractor for the time being under contract with a licensee, a non-licensee or a consumer to carry out duties incidental to the generation, transformation, distribution or use of energy may authorise any person for the purpose of any or all of the following rules, namely, rules 43, 60, 64 (1), 96 (2), 106 (1), 108 (4) and 109.

(2) No person shall be authorised under sub-rule (1) unless he is competent to perform the duties specified in the rules for the purpose of which he is authorised.

(3) No person shall be deemed to be authorised under sub-rule (1) unless his name has been entered in a list maintained at the office or premises of the person authorising him, and giving the purposes for which such person is authorised, and the entry has been attested by the person authorising him.

(4) Every list maintained under sub-rule (3) shall be produced before an Inspector when required.

CHAPTER II.

INSPECTORS.

4. **Qualifications of Inspector.**—No person shall be appointed to be an Inspector unless,—

(*a*) he has had at least five years' practical experience in an electrical or mechanical engineering workshop or electric power station; and

(*b*) after acquiring such experience, he has been regularly engaged for a period of at least five years in the practice of electrical engineering:

Provided that the Governor General in Council or the provincial Government, as the case may be, may appoint any person not so qualified, if in his or its opinion such person is otherwise fully qualified to exercise the powers and perform the functions of an Inspector.

5. **Entry and Inspection.**—(1) Any Inspector or any officer appointed to assist an Inspector may enter, inspect and examine any place, carriage or vessel in which he has reason to believe that there is any appliance or apparatus used in the generation, transmission, supply or use of energy and may carry out tests therein.

(2) Every licensee, non-licensee, consumer and occupier shall afford at all times all reasonable facilities to any such Inspector or officer to make such examinations and tests as may be necessary to satisfy himself as to the due observance of the Act, the licence (if any) and these rules.

(3) Every licensee and every non-licensee supplying energy with the previous sanction of the Provincial Government under section 28 shall, if required so to do by an Inspector, provide means for carrying out all tests prescribed by or under the Act of the appliances or apparatus used for the supply of energy by him.

(4) An Inspector may serve an order in the form set out in Annexure VIII, upon any licensee, non-licensee, consumer or occupier, calling upon him to comply with any specified rule, and the person so served shall thereupon comply with the order within the period named therein, and shall report in writing to the Inspector when the order is complied with:

Provided that, if within that period an appeal is filed against the order, the appellate authority may suspend its operation pending the decision of the appeal.

6. **Limitation of appeals.**—No appeal from any decision of an Inspector shall be entertained unless it is preferred within three months of the date of the communication to the appellant of the decision.

7. **Amount of fees.**—(1) The fees set out in Annexure II shall be payable in respect of the services therein mentioned, where the tests are carried out by comparison with the Government of India Standards referred to in rule 2 (1).

(2) The Governor General in Council or the provincial Government, as the case may be, may levy such fees for testing and inspection and generally for the services of Inspectors as he or it may, from time to time, by general or special order, direct; and may, if he or it thinks fit, remit any fee or any portion thereof.

8. **Incidence of fees.**—Where an Inspector is called in to decide any difference or dispute, and where a fee for such service is recoverable, the Inspector shall decide by whom such fee shall be payable.

9. **Submission of records.**—An Inspector may require a licensee and a licensee may require an Inspector to submit to such Inspector or licensee for examination any records of tests made in connection with the licensee's works by the licensee or the Inspector; and the licensee or Inspector shall comply with such requisition.

10. **List of consumers.**—An Inspector may require a licensee or non-licensee to submit to him a list of all persons supplied with energy by him at a pressure exceeding low pressure and of the addresses at which such energy is supplied; and the licensee or non-licensee shall comply with such requisition.

CHAPTER III.

LICENCES.

11. **Applications for licences.**—(1) Every application for a licence shall be signed by, or on behalf of, the applicant and addressed to such officer as the provincial Government may designate in this behalf, and it shall be accompanied by—

(*a*) six copies, in print, of the draft licence as proposed by the applicant, with the name and address of the applicant and of his agent (if any) printed on the outside of the draft;

(*b*) three copies, signed by the applicant, of a map of the proposed area of supply which shall be so marked or coloured as to define any portion of such area which is under the administration of any local authority and shall be on a scale—

(*i*) of not less than six inches to a mile, or

(*ii*) if no such map is available, of not less than that of the largest scale ordnance map available, or

(*iii*) such as may be approved by the provincial Government;

(*c*) a list of any local authorities invested with the administration of any portion of the area of supply;

(*d*) an approximate statement describing any lands which the applicant proposes to acquire for the purpose of the licence under the provisions of the Land Acquisition Act, 1894; [I of 1894.]

(e) an approximate statement of the capital proposed to be expended in connection with the undertaking;

(f) if the applicant is a company which is registered under any of the enactments relating to companies for the time being in force in British India, or in any other part of His Majesty's Dominions, or is incorporated by an Act of Parliament or of the Governor General in Council or by Royal Charter or Letters Patent, a copy of the Memorandum and Articles of Association; and

(g) a treasury receipt for a fee of five hundred rupees paid into a Government treasury in the province concerned, unless such fee is remitted, wholly or in part, by general or special order of the provincial Government.

(2) If the application for a licence is rejected or if a licence is revoked under sub-section (*3*) of section 4 as to the whole or any part of the area of supply, the provincial Government may at its discretion refund, wholly or in part, the fee referred to in clause (*g*) of sub-rule (1).

12. **Copies of map and draft licence for public inspection.**—The applicant shall deposit at his own office and at that of his agents (if any) and at the office of every local authority invested with the administration of any portion of the proposed area of supply—

(a) a copy of the map referred to in clause (*b*) of sub-rule (1) of rule 11 for public inspection; and

(b) a sufficient number of copies of the draft licence to be furnished to all persons applying for them at a price not exceeding one rupee per copy.

13. **Contents of draft licence.**—The draft licence shall contain the following particulars, namely:—

(a) a short title descriptive of the proposed undertaking, together with the address and description of the applicant, or, in the case of a firm, the names of all the individual members of the firm;

(b) a statement of the boundaries of the proposed area of supply;

(c) if the generating station is situated, or is to be situated, outside the area of supply or if any intervening area, not included in the area of supply, is to be crossed a list of the streets not included in the area of supply along or across which electric supply-lines are to be laid down or placed;

(d) the proposed conditions of supply, including the maximum prices, the nature and amount of the supply (if limited) and the like;

(e) a list of the streets (if any) which are repairable neither by Government nor by a local authority and of the railways and tramways (if any) the soil or pavement of which the applicant seeks powers to open or break up, and the names of the persons by whom such streets are repairable, or who are for the time being entitled to work such railway or tramway;

(f) the proposed periods after which the right to purchase is to take effect;

(*g*) a statement of any special terms of purchase or orders proposed to be made under section 10; and

(*h*) any proposed modification of the Schedule to the Act to be made under clause (*f*) of sub-section (*2*) of section 3.

14. **Form of draft licence.**—The form of draft licence contained in Annexure III may, with such variation as the circumstances of each case require, be used for the purposes of rule 11, and, if used, shall be sufficient.

15. **Advertisement of application and contents thereof.**—(1) The applicant shall, within fourteen days from the submission of the application under rule 11, publish notice of his application by public advertisement, and such advertisement shall consist of—

(*a*) the draft licence,

(*b*) the addresses of the offices at which, under rule 12, copies of the map therein referred to may be inspected and copies of the draft licence obtained.

(2) The advertisement shall be headed by a short title corresponding with that at the head of the draft licence, and shall state that every local authority, company or person, desirous of making any representation with reference to the application to the provincial Government, may do so by letter addressed to such officer as the provincial Government may designate in this behalf, within three months of the date of issue of the newspaper containing the first advertisement.

(3) The advertisement shall be inserted by the applicant in at least three successive issues of such newspaper as the provincial Government, having regard to its circulation among persons likely to be interested, may direct, and, in the absence of any such direction, in at least three successive issues of any newspaper published within the proposed area of supply, or if there is no such newspaper, of any newspaper published within the province.

(4) The applicant shall send a copy of each of the three successive issues of the newspaper containing the advertisement to such officer as the provincial Government may designate in this behalf as soon as the third issue has appeared, and the provincial Government shall publish the advertisement at least once in the local official Gazette within six weeks from the date of the first advertisement published under sub-rule (3):

Provided that any failure or delay on the part of the provincial Government in publishing the advertisement shall not, of itself, preclude the grant of a licence.

16. **Amendment of draft licence.**—Any person who desires to have any amendment made in the draft licence shall deliver a statement of the amendment to the applicant and to such officer as the provincial Government may designate in this behalf within the time allowed under sub-rule (2) of rule 15 for the submission of representations referring to the application.

17. **Local inquiries.**—If any person locally interested objects to the grant of a licence applied for under the Act, the provincial Government shall, if either the applicant or the objector so desires, cause a local inquiry to be held, of which due notice shall be given to both applicant and objector:

Provided that the provincial Government may refuse such an inquiry if in its opinion the objection is of a trifling or vexatious nature.

18. **Approval of draft licence.**—When the provincial Government has approved a draft licence, either in its original form or in a modified form, such officer as the provincial Government may designate in this behalf shall inform the applicant of such approval and of the form in which it is proposed to grant the licence.

19. **Notification of grant of licence.**—On receiving an intimation in writing from the applicant that he is willing to accept a licence in the form approved by the provincial Government, the provincial Government shall publish the licence by notification in the local official Gazette, together with a statement that it has been granted.

20. **Date of commencement of licence.**—The date of a notification under rule 19 shall be deemed to be the date of commencement of a licence.

21. **Deposit of map.**—When a licence has been granted, a map showing, as regards such licence, the particulars specified in clause (*b*) of sub-rule (1) of rule 11 shall be signed, and dated to correspond with the date of the notification of the grant of the licence, by such officer as the provincial Government may designate in this behalf and retained by him as the deposited map.

22. **Deposit of printed copies.**—When a licence has been granted, the licensee shall, within thirty days, deposit printed copies of the licence together with copies of the map for public inspection at his own office and at that of his agents (if any) and at the office of every local authority within the area of supply and shall furnish printed copies of the licence to all persons applying for them at a price not exceeding one rupee per copy.

23. **Application for written consent of Provincial Government in certain cases.**—If a licensee desires the written consent of the provincial Government under sub-section (*5*) of section 12 to enable him to open or break up the soil or pavement of any street which is repairable neither by Government nor by a local authority, or any railway or tramway, he shall apply for such consent in writing to such officer as the provincial Government may designate in this behalf, and shall describe accurately the street, railway, or tramway which he seeks power to open or break up and the names of the persons by whom such street is repairable, or who are for the time being entitled to work such railway or tramway, and the extent to which he proposes to open or break up the same.

24. **Amendment of licences.**—(1) No alterations or amendments in the terms and conditions of any licence shall be made under clause (*b*) of sub-section (*3*) of section 4, until they have been published by the applicant and by the provincial Government; and the provisions of sub-rules (2), (3) and (*4*) of rule 15 shall apply to such publication.

(2) If any such alteration or amendment as is referred to in sub-rule (1) is made, it shall be notified by the provincial Government in the local official Gazette.

CHAPTER IV.

CONDITIONS OF SUPPLY BY LICENSEE.

25. **Precautions against leakage before connection.**—(1) A licensee shall not connect with his works the apparatus on the premises of any applicant for a supply unless he is reasonably satisfied that the connection will not at the time of making the connection cause a leakage from that apparatus exceeding one five-thousandth part of the maximum supply demanded on the applicant's premises.

(2) If a licensee declines to make a connection in accordance with sub-rule (1), he shall serve upon the applicant a notice stating his reason for so declining.

26. **Leakage on consumer's premises.**—(1) If a licensee has reason to believe that there is in the system of a consumer leakage which is likely to affect injuriously the use of energy by the licensee or by other persons or which is likely to cause danger, he may give the consumer reasonable notice in writing that he desires to inspect and test the apparatus.

(2) If on such notice being given—

(*a*) the consumer does not give all reasonable facilities for inspection and testing, or

(*b*) a leakage from the consumer's system exceeding one five-thousandth part of the maximum supply required by the consumer is shown to exist,

the licensee may forthwith discontinue the supply of energy to the system in question, giving immediate notice of the discontinuance to the consumer, and need not recommence the supply until he is satisfied that the cause of the leakage has been removed.

27. **Appeal to Inspector in regard to leakage.**—(1) If an applicant for a supply or a consumer is dissatisfied with the action of a licensee under rule 25 or rule 26 in declining to make a connection or in discontinuing, or in not recommencing the supply of energy to his system he may appeal to an Inspector, and the Inspector or under his orders any other officer appointed to assist the Inspector shall, on such application and on payment of the fee fixed under sub-rule (2) of rule 7, test the apparatus for the existence of leakage.

(2) The test shall be carried out within forty-eight hours of the receipt of the application for it or of the payment of the fee under sub-rule (1), whichever is later.

(3) If the Inspector or other officer, as aforesaid, on testing finds that the leakage from the appellant's system is less than one five-thousandth part of the maximum supply required by the appellant, the Inspector shall notify the licensee, and the licensee shall, within twenty-four hours, commence or continue the supply of energy, and the licensee shall pay to the appellant an amount equal to the fee paid by the appellant to the Inspector under sub-rule (1), if the Inspector so directs.

(4) This rule shall be endorsed on every notice given under the provisions of rule 25 or rule 26.

28 **Declared pressure of supply to consumers.**—Before commencing to supply energy to a consumer, a licensee shall declare to the consumer the pressure at which he undertakes to supply energy and he shall not, without the written consent of the consumer or the previous sanction of the provincial Government, permit the pressure to vary therefrom by more than 5 per cent. in the case of low or medium pressure, or by more than 12½ per cent. in the case of high pressure:

Provided that, for the purposes of testing or for any other purposes connected with the efficient working of the undertaking, the supply of energy may be discontinued by the licensee for such period as may be necessary subject (except in cases of emergency) to not less than twenty-four hours' notice being given by the licensee to all consumers likely to be

affected by such discontinuance; and in the event of any such consumer objecting, the supply of energy shall not be discontinued (except in cases of emergency) without the consent of the provincial Government and subject to such conditions as it may impose.

29. **Declared frequency of supply to consumers.**—From the time of commencing the supply of energy to a consumer by means of an alternating current a licensee shall declare to the consumer the frequency at which he undertakes to supply energy and the licensee shall not, without the written consent of the consumer or the previous sanction of the provincial Government, permit the frequency to vary therefrom by more than 4 per cent.

30. **Examinations of licensee's records by consumer.**—A consumer may, after giving not less than twenty-four hours' notice to the licensee, enter any testing station established by the licensee, in accordance with clause XIII of the Schedule to the Act, and may examine the records of the tests made therein: and he may also take copies of or extracts from such records on payment to the licensee of a sum of one rupee for every such examination of a record covering a period of twenty-four hours or any part of twenty-four hours.

31. **Sealing of meters.**—(1) A licensee may affix one or more seals to any meter, maximum demand indicator, or other apparatus placed upon a consumer's premises in accordance with section 26, and to any cut-out placed upon a consumer's premises in accordance with rule 40 and no person other than the licensee shall break any such seal.

(2) The consumer shall use all reasonable means in his power to ensure that no such seal is broken otherwise than by the licensee.

32. **Limits of errors in the meters.**—The limits of error permissible in a meter placed upon a consumer's premises in accordance with section 26 are for the purposes of that section the following, namely:—

(*a*) where the meter is of a type included in the "British Standard Specification for Electricity Meters; No. 37" dated 1930, the limits of error laid down in that Specification;

(*b*) where the meter is of any other type, it shall not register more than 3 per cent. above or below absolute accuracy at all loads in excess of one-fifth of full load and up to full load;

(*c*) no meter shall register at no load.

33. **Conditions for maximum demand indicators.**—The conditions with which a maximum demand indicator or other apparatus placed upon a consumer's premises in accordance with section 26, shall comply are for the purposes of that section the following, namely:—

(*a*) it shall not register more than 3 per cent. above or below absolute accuracy at all loads in excess of one-fifth of full load and up to full load;

(*b*) it shall not register at no load.

34. **Sale of plans.**—Copies of plans or sections such as are referred to in clause XVI of the Schedule to the Act shall be supplied by the licensee to every applicant at a price not exceeding one rupee per square foot.

35. **Point of commencement of supply.**—The point at which the supply of energy by a licensee to a consumer shall be deemed to commence shall—

(*a*) where the amount of energy supplied to a consumer or the electrical quantity contained in the supply is ascertained by meter, be, in respect of a conductor from the service-line which passes through the meter, the point at which such conductor enters the meter, and, in respect of a conductor from the service-line which does not pass through the meter, the point on such conductor nearest to the meter;

(*b*) where the amount of energy supplied to a consumer or the electrical quantity contained in the supply is not ascertained by meter, be the point at which the cut-out is inserted in the service-line by the licensee in accordance with rule 40.

36. **Preparation and submission of accounts.**—(1) Every licensee, unless exempted in accordance with section 11, shall cause the accounts of his undertaking to be made up to the thirty-first day of December or the thirty-first day of March, at the option of such licensee, or to such other date as the provincial Government may approve.

(2) Such licensee shall prepare and render an annual statement of his accounts in accordance with the provisions of section 11 within a period of six months from such date as aforesaid, or such extended period as the provincial Government may authorise after it is satisfied that the time allowed is insufficient owing to any cause not within the control of the licensee; and the statement shall be rendered in duplicate if the provincial Government so desires.

(3) The accounts shall be made up as far as circumstances permit in one or other of the prescribed forms set out in Annexures IV and V according as the licensee is or is not a local authority and may, at the option of the licensee, be rendered either in British Indian or in British sterling currency:

Provided that the provincial Government may, by special or general order, direct that the accounts of any undertaking shall be made up in any form it may direct in such order.

37. **Forms of certain requisitions.**—Requisitions under sub-clause (*4*) of clause V or sub-clause (*5*) of clause VI, as the case may be, of the Schedule to the Act shall be made in the form set out in Annexure VI or Annexure VII.

CHAPTER V.

GENERAL PRECAUTIONS FOR THE SAFETY OF THE PUBLIC.

38. **Responsibility of licensees for their works on consumers' premises.**—Licensees shall ensure that all electric supply-lines and apparatus belonging to them, or under their control, which are on a consumer's premises, are maintained in a safe condition electrically and mechanically and shall take due precautions to avoid danger arising on such premises from such supply-lines or apparatus.

39. **Service-lines on consumers' premises.**—Service-lines placed by a licensee on the premises of a consumer which are underground or which are accessible without the aid of a ladder or other special appliance shall be so insulated and protected by the licensee as to be secure under all ordinary conditions against electrical, mechanical, chemical, or other injury to the insulation, and against access of moisture.

40. **Cut-out on consumers' premises.**—A licensee shall provide a suitable cut-out in each conductor of every service-line (other than an earthed neutral conductor or the earthed external conductor of a concentric cable) within a consumer's premises, in an accessible position as close as possible to the point of entry. Such cut-out shall be contained within an adequately enclosed fire-proof receptacle:

Provided that, where more than one consumer is supplied through a common service-line, each such consumer who so requires shall be provided with an independent cut-out at the point of junction to the common service.

41. **Accessibility of bare conductors.**—Where bare conductors are used in a building the owners of such conductors shall ensure that they are inaccessible without the aid of a ladder or other special appliance and shall provide switches for rendering them dead whenever necessary.

42. **Handling of apparatus.**—Before any conductor or apparatus is handled, adequate precautions shall be taken, by earthing or other suitable means, to discharge electrically such conductor or apparatus, and any adjacent conductor or apparatus if there is danger therefrom, and to prevent any conductor or apparatus from being accidentally or inadvertently electrically charged when persons are working thereon:

Provided that this sub-rule shall not apply to the cleaning of commutators and slip-rings working at low or medium pressures.

43. **Repairs to apparatus.**—No repair of any part of any apparatus shall be effected while the part is live, except by an authorised person.

44. **Supply to vehicles, etc.**—Every person owning a vehicle, travelling crane or the like to which energy is supplied shall ensure that it is efficiently controlled by a suitable switch enabling all pressure to be cut off, and, where such vehicles, travelling cranes or the like run on metal rails, the owner shall ensure that the rails are electrically continuous and earthed.

45. **Cables for portable motors.**—(1) Trailing cables shall not be used for portable motors and apparatus connected therewith unless they are specially flexible, heavily insulated and protected from mechanical injury.

(2) Where the protection is by means of metallic covering, the covering shall be in metallic connection with the frame of the motor and earth.

46. **Instructions for restoration of persons suffering from electric shock.**—(1) Instructions, both in English and in the vernacular of the district, for the restoration of persons suffering from electric shock, shall be affixed by the owner in a conspicuous place in every generating station and sub-station, and in every factory as defined in clause (*j*) of section 2 of the Factories Act, 1934, in which electricity is used and in such other premises where electricity is used as the Inspector may, by notice served on the owner, direct.

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(2) Copies of the instructions shall be supplied on demand by every Inspector at a price to be fixed by the provincial Government.

47. **Instruction in artificial respiration.**—The owner of every generating station and sub-station and of every factory and other premises to which rule 46 applies shall ensure that all authorised persons employed by him are acquainted with and able to apply the instructions referred to in rule 46.

48. **Precautions to be adopted by consumers and owners, electrical contractors and electrical workmen.**—(1) No electrical installation work, including additions, alterations, repairs and adjustments to existing installations, except such replacement of lamps, fans, fuses, switches and other component parts of the installation as in no way alters its capacity or character shall be carried out upon the premises or on behalf of any consumer or owner for the purposes of the supply of energy to such consumer or owner, except by an electrical contractor licensed by the provincial Government in this behalf and under the direct supervision of a person holding a certificate of competency issued by the provincial Government:

Provided that, the provincial Government may by notification in the local official Gazette exempt on such conditions as it may impose any such description of work either generally or in the case of any specified class of consumers or owners from so much of this sub-rule as requires such work to be carried out by an electrical contractor licensed by the provincial Government in this behalf:

Provided further that this rule shall not apply to any work carried out by or on behalf of the Government of India unless the Government of India so direct.

(2) This rule shall come into force in any province or part thereof on such date as the provincial Government may by notification in the local official Gazette appoint.

CHAPTER VI.

ELECTRIC SUPPLY-LINES AND APPARATUS.

49. **Construction, insulation and earthing of apparatus.**—(1) All apparatus shall be sufficient in power and size and of sufficient mechanical strength for the work it may be required to do, and, so far as is practicable, shall be so constructed, installed, protected, worked and maintained as to prevent danger.

(2) All insulating material shall be chosen with special regard to the circumstances of its proposed use. It shall be of mechanical strength sufficient for its purpose, and, so far as is practicable, shall be of such a character or so protected as fully to maintain its insulating properties under working conditions of temperature and moisture.

(3) No live parts shall be so exposed as to be capable of being touched by persons not intended to have access to them.

(4) Every part of a system shall be kept efficiently insulated from earth, except that:—

(*i*) the neutral point of a polyphase system may be earthed at one point only;

(*ii*) the mid-voltage point of any system, other than a concentric system, may be earthed at one point only.

50. **Accidental charge.**—The owners of all circuits and apparatus shall so arrange them that there shall be no danger of any part thereof becoming accidentally charged to any pressure beyond the limits of pressure for which it is intended.

51. **Switches to be on the live wire.**—(1) In any case where the conductors brought by the licensee to the point of commencement of supply include an earthed neutral conductor, the supply of energy shall not be commenced, or continued, until or unless the following provisions have been or are complied with, namely:—

(*a*) An indication of a permanent nature shall be provided by the licensee at or near the point of commencement of supply to enable such neutral conductor to be distinguished from any live conductor at that point, and no single-pole switch shall be inserted by the licensee in such conductor or any branch thereof except as hereinafter provided by this rule;

(*b*) If so required by the licensee the consumer shall provide a similar indication to distinguish that conductor, forming part of his system, which is to be connected to the earthed neutral conductor at the point of commencement of supply.

(2) In no case referred to in sub-rule (1) shall the consumer insert any single-pole switch or cut-out or permit such switch or cut-out to be or to remain inserted in any conductor referred to in sub-rule (1) (*b*).

(3) Notwithstanding the provisions of sub-rule (1) (*a*) of this rule, certain apparatus may be connected in an earthed neutral conductor as follows:—

(*a*) A link may be inserted for testing purposes, or a switch for use in controlling a generator or transformer;

(*b*) A switch or link may be inserted in the connection between the neutral conductor and earth at a generating station or sub-station for use in testing and emergencies only:

Provided that, in the case of consumers' systems connected to the licensee's main prior to the 1st July 1937, no penalty shall attach to any breach of this rule occurring before the 1st July 1938.

52. **Crossing metallic substances.**—(1) Where an electric supply-line crosses, or is in proximity to, any metallic substance, the owner of the supply-line shall take such precautions as an Inspector may approve against the possibility of the metallic substance becoming charged.

(2) Where such metallic substance is introduced after the electric supply-line has been laid or erected, the cost incurred in taking such precautions shall be refunded to the owner of the electric supply-line by the owner of the metallic substance.

53. **Cut-out.**—The owner of every electric supply-line (other than the earthed neutral conductor of any system or the earthed external conductor of a concentric cable) shall protect it by a suitable cut-out.

54. **Metal casings.**—All metal casings or metallic coverings containing or protecting any electric supply-line or apparatus shall be connected with earth by the owner, and shall be so joined and connected across all junction-boxes and other openings as to make good mechanical and electrical connection throughout their whole length:

Provided that this rule shall not apply to isolated wall tubes or to brackets, electroliers, standards, switch or fan regulator covers or other fittings (other than portable hand-lamps in factories) where the supply is at low pressure.

55. **Junction-boxes.**—The owners of all street junction-boxes or pillars containing circuits or apparatus shall secure their covers and doors in such a manner that they can be opened only by means of a special appliance.

56. **Distinction of circuits of different pressure.**—The owner of every generating station, sub-station, junction-box or pillar in which there are any circuits or apparatus, intended for operation at different pressures, shall ensure that the respective circuits are readily distinguishable from one another.

57. **Connection with earth of frames of generators, etc.**—The frame of every generator, stationary motor, and, so far as is practicable, portable motor, and the metallic parts (not intended as conductors) of all transformers and regulating or controlling apparatus connected with the supply, shall be earthed by the owner by two separate and distinct connections with earth.

58. **Connection with earth of a multi-wire system.**—In every distributing system in which there is a neutral conductor, where the pressure between the neutral conductor and an outer or phase conductor exceeds 125 volts, the neutral conductor shall be connected with earth by two separate and distinct connections from the neutral bus-bar and in accordance with the following provisions, namely:—

(*a*) the connection shall be made at one point only on each distinct system, namely, at the generating station or sub-station, or both, as the case may be, and the insulation of the system shall be maintained at all other parts;

(*b*) the connection shall not be made by the aid of, nor shall it be in contact with any water-main, gas-main or similar main not belonging to the licensee or non-licensee, as the case may be, except with the consent of the owner thereof and of the Inspector; a resistance, not exceeding 20 ohms, may be inserted between the neutral bus-bar and earth, and, if so inserted, it shall be of sufficient cross-sectional area to carry the current which would pass should an outer or phase conductor become accidentally connected with earth;

(*c*) the connection shall not be removed except for the purpose of testing, in which case it shall be made good again as soon as such test is finished, and a record of any such disconnection shall be kept by the licensee or non-licensee, as the case may be;

(*d*) the connection shall not be removed in a licensee's system except between 1 A.M. and 3 A.M., and, in a non-licensee's system, while the generator is in operation or energy is being used;

(*e*) the current from the neutral conductor to earth shall, in the case of a licensee's direct current distributing system, be continuously recorded, and, if at any time it exceeds one-thousandth part of the maximum supply current, steps shall immediately be taken to improve the insulation of the system.

59. **Connection with earth of concentric conductors.**—(1) Notwithstanding anything contained in sub-rule (4) of rule 49, when concentric conductors are used, the owner shall maintain the insulation throughout, except that the external conductor may be connected with earth at one point:

Provided that where a person generates electricity exclusively for use on his own premises, he may use a bare external conductor if it is connected

with earth and if no switch, cut-out or circuit breaker is inserted in that conductor or in any conductor connected thereto.

Exception.—Switches, cut-outs or circuit breakers may be used to break the connection with the generators or transformers supplying energy:

Provided that in no case shall the connection of a bare external conductor with earth be thereby broken.

CHAPTER VII.

SUPPLY AT MEDIUM OR HIGH PRESSURE.

60. **General precautions applicable to supply at medium or high pressure.**—Where a licensee proposes to supply or use energy at medium or high pressure, he shall give notice to an Inspector and shall not commence or continue the supply unless and until he has complied with the following provisions, namely:—

(*a*) all live parts of apparatus shall, unless accessible only to, and under the control of, an authorised person, be protected by mechanically strong metal casings or metallic coverings securely fastened throughout;

(*b*) suitable linked switches, of requisite capacity to carry and break the current, shall be inserted in each conductor, near the point of origin on the consumer's premises;

(*c*) every conductor, unless accessible only to an authorised person, shall be, as far as is practicable, completely enclosed in a mechanically strong metal casing or metallic covering, securely fastened throughout or fixed in such other manner as may be approved in writing by an Inspector;

(*d*) the supply to every apparatus shall be efficiently controlled by suitable linked switches, of requisite capacity to carry and break the current in each conductor, placed near the apparatus in such a position as to be readily handled by the operator, so that by their means all pressure can be cut off from the apparatus concerned and from any device in connection therewith;

(*e*) the word "CAUTION" both in English and in the vernacular shall be affixed permanently in a conspicuous position, where possible, on every generator and every motor and every controlling or regulating apparatus in connection with such generator or motor:

Provided that, where it is not possible to affix them on the generator, motor, or apparatus, they shall be fixed as near as possible:

Provided also that, where the generator, motor, controlling or regulating apparatus, is within an enclosure accessible only to an authorised person, one notice affixed to the enclosure shall be sufficient for the purposes of this sub-rule.

61. **Main switchboard**.—The owner of every main switchboard connected with a supply of energy at medium or high pressure shall comply with the following provisions, namely:—

(*a*) a clear space of not less than 3 feet in width shall be provided in front of the switchboard;

(*b*) if there are any attachments or bare connections at the back of the switchboard, the space (if any) behind the switchboard shall be either less than 9 inches, or more than 30 inches in width, measured from the furthest outstanding part of any attachment or conductor;

(*c*) if the space behind the switchboard exceeds 30 inches in width, there shall be a passage-way clear to a height of not less than 6 feet, save as regards any horizontal supports of the switchboard, which may be placed at a height of not less than 4 feet 6 inches.

62. **Approval of high pressure supply**.—(1) No licensee or non-licensee shall deliver a high pressure supply to any person, other than a distributing licensee, except with the approval in writing of an Inspector, and subject to such conditions (if any) as such Inspector may think reasonable and proper in the circumstances, and the owner shall not bring the installation into use until it has been inspected by an Inspector or other officer appointed to assist an Inspector.

(2) Where energy is to be used by an owner at high pressure, the owner shall not bring the installation into use except with the approval in writing of an Inspector and subject to such conditions (if any) as he may think fit.

(3) When the position of a high pressure motor or other apparatus is changed, notice shall forthwith be given to the Inspector showing the extent and nature of the change of position.

(4) The owner of any high pressure installation who makes any such alterations in or additions to the installation as affect the supply shall not utilize the alterations or additions for the purposes of supply unless and until they have been approved by an Inspector.

63. **Testing of insulation of high pressure circuit**.—(1) The owner of a high pressure circuit, other than an aerial line, shall not bring it into use unless the insulation of electric supply-line, machine, device or apparatus pertaining thereto has withstood the continuous application, during one minute, of the testing pressure given in sub-rule (2); and the owner shall duly record the results of each test and shall forward them to an Inspector.

(2) For the purposes of sub-rule (1)—

(*a*) if the normal working pressure does not exceed 1,000 volts the testing pressure shall be 2,000 volts,

(*b*) if the normal working pressure exceeds 1,000 volts but does not exceed 10,000 volts, the testing pressure shall be double the normal working pressure,

(*c*) if the normal working pressure exceeds 10,000 volts the testing pressure shall be the normal working pressure plus 10,000 volts:

Provided that an Inspector may, if he thinks fit, accept the manufacturer's certified tests in place of the tests required by this rule.

64. **High pressure electric supply-lines and apparatus placed above ground.**—(1) All owners of high pressure apparatus, including every portion of any high pressure electric supply-line (other than an aerial line) placed above the surface of the ground, unless it is in a sub-station, or in a compartment specially arranged for the purpose and accessible only to authorised persons, shall ensure that it is completely enclosed in, or protected by, a mechanically strong metal casing or metallic covering securely fastened throughout:

Provided that this sub-rule shall not apply to neon signs and X-ray apparatus which are operated in accordance with instructions issued by the Inspector.

(2) All owners of circuits and apparatus connected with any high pressure apparatus to which sub-rule (1) is applicable shall ensure that they are marked at frequent intervals with the word "CAUTION", both in English and in the vernacular. All supports of high pressure aerial lines shall be similarly marked.

CHAPTER VIII.

AERIAL LINES.

65. **Minimum strength of conductors of aerial lines.**—The owner of an aerial line shall not use it for the supply of energy unless each conductor has an actual breaking load of not less than 700 lbs.:

Provided that, where the pressure is low and the span is of less than 50 feet and is on the owner's premises, a conductor having an actual breaking load of not less than 300 lbs. may be used.

66. **Maximum intervals between supports.**—The owner of an aerial line shall ensure that the conductors are attached to supports at intervals, not exceeding the safe limits based on the actual breaking load of the conductor and the factor of safety prescribed in rule 68;

Provided that where such a line is erected in, over, along or across any street, the interval shall not, without the consent in writing of the Inspector, exceed 220 feet.

67. **Connection with earth of metal supports and stay wires.**—(1) The owner of every aerial line supported by metal supports shall ensure that these supports are permanently and efficiently earthed. For this purpose a continuous earth wire securely fastened to each support and connected with earth at four points in every mile, the spacing between the points being as nearly equidistant as possible, shall be provided, or alternatively, each support shall be connected to an effective earthing device.

(2) Each stay-wire shall be similarly earthed unless an insulator has been placed in it at a height of not less than ten feet from the ground.

68. **Factors of Safety.**—(1) The owner of every aerial line shall ensure that it has the following factors of safety:—

(*i*) for metal supports, at least 2·5;

(*ii*) for other supports, at least 3·5;

(*iii*) for guard-wires or bearer-wires, at least 3;

(*iv*) for conductors, at least 2;

under all conditions, and that the strength of support in the direction of the line is not less than one-fourth of the strength required in a direction transverse to the line.

(2) For the purpose of calculating the factors of safety:—

(*a*) the maximum wind pressure shall be specified by the Provincial Government in each case;

(*b*) for cylindrical bodies the effective area shall be taken as two-thirds of the sectional area exposed to wind pressure;

(*c*) for lattice steel or other compound structures the wind pressure on the lee-side members shall be taken as one-half of the wind pressure on the windward side members, and the factor of safety shall be calculated on the crippling load of struts and upon the elastic limit of tension members;

(*d*) the temperature shall be taken as 32° F. or such other temperature as the provincial Government may specify.

(3) Notwithstanding anything in sub-rules (1) and (2), in localities where aerial lines are liable to accumulations of ice or snow, the provincial Government may, by order in writing, specify such factor of safety as it may think fit and the conditions under which it is to be calculated.

69. **Height from ground and distance from buildings.**—(1) Every conductor of an aerial line (not being a trolley-wire or a traction-feeder on the same support as a trolley-wire) shall be—

(*a*) at least 20 feet above the ground where it is over any part of a street or other public place;

(*b*) inaccessible, either from the ground or from any building or structure whether permanent or temporary, except by the aid of a ladder or other special appliance.

(2) Where an aerial line is on a consumer's or an owner's premises, the height of every conductor from the ground or from any mineral or refuse dump and from parts of buildings or structures to which persons have access shall, unless the conductors are adequately guarded, be not less than 15 feet or such greater height as may be necessary to prevent danger.

(3) The owner of the aerial line shall be responsible for ensuring that the provisions of sub-rules (1) and (2) are observed.

70. **Erection or alteration of buildings.**—(1) If, at any time subsequent to the erection of an aerial line, any person proposes to erect a new building or structure, whether permanent or temporary, or to make in or upon any building or structure any permanent or temporary addition or alteration, he shall, if such building, structure, addition or alteration would, during or after construction, result in a contravention of the provisions of sub-rule (1) or sub-rule (2) of rule 69 give notice in writing of his intention to the owner, and to an Inspector, and shall furnish therewith a scale drawing showing the proposed building, structure, addition or alteration and the scaffolding required during its construction.

(2) On receipt of such notice the owner shall, without undue delay, so alter the aerial line as to ensure that it will not be accessible in such a manner as to contravene the provisions of sub-rule (1) or sub-rule (2) of rule 69 either during or after construction and shall be entitled to recover, from the person from whom the notice was received, the cost of such alterations which shall be deemed to include the following items, namely:—

(*i*) the cost of additional material used on the alteration;

(*ii*) the wages of labour employed in effecting the alteration;

(*iii*) supervision charges to the extent of 15 per cent. of item (*ii*); and

(*iv*) any charges incurred by the owner in complying with the provisions of section 16 in respect of such alterations:

Provided that the owner may, before so altering the aerial line, require the person from whom the notice was received to deposit the estimated cost of such alteration.

(3) No work upon the building, structure, addition or alteration shall be commenced until the Inspector has certified that neither during nor after construction the provisions of sub-rule (1) or sub-rule (2) of rule 69 will be contravened:

Provided that an Inspector may, if he is satisfied that the aerial line has been so guarded as to secure the protection of persons and property from injury or risk of injury, permit the work to be executed prior to, or, in the case of a temporary addition or alteration, without the alteration of the aerial line.

71. **Conductors at different pressures on same supports.**—Where conductors forming parts of systems at different pressures are erected on the same supports, the owners shall make adequate provision to guard against

danger to linesmen and others from the lower pressure system being charged above its normal working pressure by leakage from or contact with the higher pressure system; and the methods of construction and the clearances between the conductors of the two systems shall be subject to the prior approval of an Inspector.

72. **Protection from lightning.**—The owner of every aerial line shall adopt efficient means for protecting any portion of the line or any support, guard-wire or bearer-wire of the line which is so exposed as to be liable to injury from lightning.

73. **Safety devices.**—(1) The owner of every aerial line (not being suspended from a dead bearer-wire and not being a trolley-wire) erected over any part of a street or other public place or in any factory or mine or on any consumer's premises shall protect it with a device approved by an Inspector for rendering the line electrically harmless in case it breaks.

(2) An Inspector may by notice in writing require the owner of any such aerial line wherever it may be erected to protect it in the manner specified in sub-rule (1).

74. **Lines crossing or approaching each other.**—(1) Where an aerial line crosses or is in proximity to any telegraph-line the owner of the aerial line shall so protect it as to guard against the possibility of its coming into contact with the telegraph-line.

(2) Within twenty-one days of receiving notice that a telegraph-line has been, is being or is about to be erected in proximity to his aerial line the owner of the aerial line shall provide the protection referred to in sub-rule (1).

(3) Where an aerial line crosses or is in proximity to an aerial line belonging to another person, the owner of the line which was last erected shall so protect it as to guard against the possibility of its coming into contact with the other aerial line.

(4) A person erecting or proposing to erect an aerial line which will cross or be in proximity to another aerial line may require the owner of the other aerial line within twenty-one days to provide the protection referred to in sub-rule (3).

(5) In all cases referred to in the preceding sub-rules the expense of making the guarding arrangement shall be borne by the person whose line was last erected.

(6) Where two lines cross, the crossing shall be made as nearly at right angles as the nature of the case admits.

(7) The guarding arrangement shall ordinarily be carried out by the owner of the posts on which it is made, and he shall be responsible for its efficient maintenance.

(8) All work required to be done by or under this rule shall be carried out to the satisfaction of the Inspector.

75. **Lines crossing trolley-wires.**—In the case of a crossing over a trolley-wire the guarding shall fulfil the following conditions, namely:—

(a) where there is only one trolley-wire, two guard-wires shall be erected as in the appended diagram A;

(b) where there are two trolley-wires and the distance between them does not exceed 15 inches, two guard-wires shall be erected as in the appended diagram B;

(c) where there are two trolley-wires and the distance between them exceeds 15 inches but does not exceed 48 inches, three guard-wires shall be erected as in the appended diagram C;

(d) where there are two trolley-wires and the distance between them exceeds 48 inches, each trolley-wire shall be separately guarded as in the appended diagram D;

(e) the rise of the trolley boom shall be so limited that, if the trolley leaves the trolley-wire, it shall not foul the guard-wires; and

(f) where a telegraph-line is liable to fall or be blown down upon an arm, stay-wire or span-wire, and so slide down upon a trolley-wire, guard hooks shall be provided to prevent such sliding.

76. **Guard-wires.**—(1) Every guard-wire shall be connected with the earth, at each point at which its electrical continuity is broken and, in the case of electric traction-lines, shall also be connected, at intervals of not more than five spans, with the rails.

(2) Every guard-wire shall have an actual breaking load of not less than 1,500 lbs., and shall, if made of iron or steel, be galvanised.

(3) Every guard-wire or cross-connected system of guard-wires, shall have sufficient current-carrying capacity to ensure the rendering dead, till the contact has been removed, of any live wire coming into contact with it, without risk of fusing of the guard-wire or wires.

(4) Every guard-wire or system of guard-wires and its supports shall have sufficient strength to carry without breaking the extra load which may be put on them by the fall of any or all the wires guarded.

77. **Alternative methods of guarding.**—Alternative methods of guarding may be substituted with the approval of an Inspector for those required by rule 75 and rule 76.

78. **Service-lines from aerial lines.**—No service-line or tapping shall be taken off an aerial line except at a point of support.

79. **High pressure aerial lines.**—The owner of high pressure aerial lines shall not make them live until they have been approved by an Inspector, and shall make arrangements to the satisfaction of the Inspector to prevent any person from climbing up any of the supports without the aid of a ladder or special appliance.

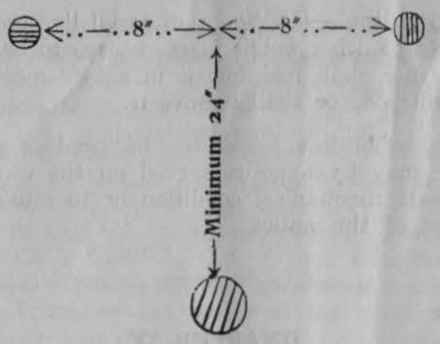


Diagram A.

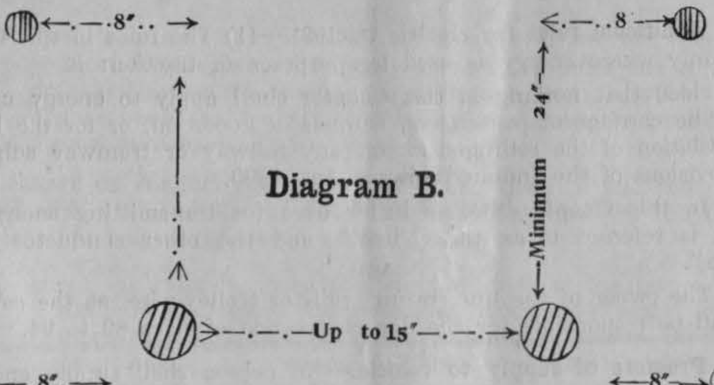


Diagram B.

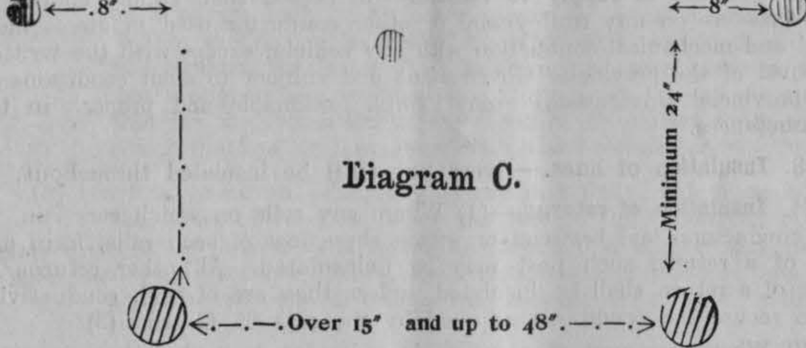


Diagram C.

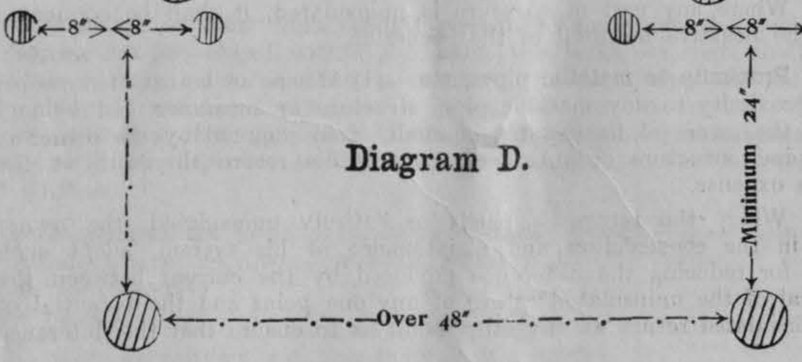


Diagram D.

80. **Unused aerial line.**—(1) Where an aerial line erected in, over, along or across any street or other public place, ceases to be used as an electric supply-line, the owner shall maintain it in a safe mechanical condition in accordance with rule 68, or shall remove it.

(2) Where any aerial line ceases to be used as an electric supply-line, an Inspector may by a notice served on the owner, require him to maintain it in a safe mechanical condition or to remove it within fifteen days of the receipt of the notice.

CHAPTER IX.

ELECTRIC TRACTION.

81. **Additional rules for electric traction.**—(1) The rules in this Chapter apply only where energy is used for purposes of traction:

Provided that nothing in this Chapter shall apply to energy used for the public carriage of passengers, animals or goods on, or for the lighting or ventilation of the rolling-stock of, any railway or tramway subject to the provisions of the Indian Railways Act, 1890. [IX of 1890.]

(2) In this Chapter the conductor used for transmitting energy to a vehicle is referred to as the "line" and the other conductor as the "return".

(3) The owner of the line, return, rails or trolley-wire, as the case may be, shall be responsible for the due observance of rules 82 to 94.

82. **Pressure of supply to vehicle.**—No person shall supply energy at high pressure on any trolley-wire or other conductor used in direct electrical and mechanical connection with any vehicle, except with the written approval of the provincial Government and subject to such conditions as the provincial Government may think reasonable and proper in the circumstances.

83. **Insulation of lines.**—Every line shall be insulated throughout.

84. **Insulation of returns.**—(1) Where any rails on which cars run, or any conductors, laid between or within three feet of such rails, form any part of a return, such part may be uninsulated. All other returns or parts of a return shall be insulated, unless they are of such conductivity as to secure the conditions required by the rule 85 (2) and (3).

(2) Where any part of a return is uninsulated, it shall be connected with the negative terminal of the generator.

85. **Proximity to metallic pipes, etc.**—(1) Where an uninsulated return is in proximity to any metallic pipe, structure or substance, not belonging to the owner of the return, he shall, if so required by the owner of such pipe, structure or substance, connect his return therewith at the latter's expense.

(2) Where the return is partly or entirely uninsulated, the owner shall, in the construction and maintenance of his system, adopt such means for reducing the difference produced by the current between the potential of the uninsulated return at any one point and the potential of the uninsulated return at any other point as to ensure that the difference

of potential between the uninsulated return and any metallic pipe, structure or substance in the vicinity shall not exceed four volts where the return is relatively positive, or one and one-third volts where the return is relatively negative.

(3) The owner of any such pipe, structure, or substance as is referred to in sub-rule (2) may, in respect of it, require the owner of the uninsulated return at reasonable times and intervals to ascertain by test in his presence, or in that of his representative, whether the condition specified in sub-rule (2) is fulfilled; and, if such condition is found to be fulfilled, all reasonable expenses of, and incidental to, the carrying out of the test shall be borne by the owner of the pipe, structure or substance.

86. **Difference of potential on return.**—Where the return is partly or entirely uninsulated, the owner shall keep a continuous record of the difference of potential, during the working of his system, between every junction of an insulated return with an uninsulated return and the point on the route most distant from that junction, and the difference of potential shall not, under normal running conditions, exceed a mean value of seven volts between the highest momentary peak and the average for the hour of maximum load.

87. **Leakage on conduit system.**—Where both the line and the return are placed within a conduit, the following conditions shall be fulfilled in the construction and maintenance of the system:—

(a) where the rails are used to form any part of the return, they shall be electrically connected, at distances apart of not more than 100 feet, with the conduit by means of copper strips having a cross-sectional area of at least one-sixteenth of a square inch or by other means of equal conductivity. Where the return is wholly insulated and contained within the conduit, the latter shall be connected with earth at the generating station or sub-station through an instrument suitable for the indication of any contact or partial contact of either the line or the return with the conduit; and

(b) the leakage-current shall be ascertained daily, before or after the hours of running, when the line is fully charged; and, if at any time it is found to exceed one ampere per mile of single tramway track, the transmission and use of energy shall be suspended unless the leakage is stopped within twenty-four hours.

88. **Leakage on other than conduit system.**—Where both the line and the return are not placed within a conduit, the leakage-current shall be ascertained daily before or after the hours of running, when the line is fully charged; and if at any time it is found to exceed one-half of an ampere per mile of single tramway track, the transmission and use of energy shall be suspended unless the leakage is stopped within twenty-four hours.

89. **Passengers not to have access to electric circuit.**—Precautions to the satisfaction of an Inspector shall be taken by the owner of every vehicle to prevent—

(a) the access of passengers to any portion of the electric circuit where there is danger from electric shock;

(*b*) any metal hand-rail or other metallic substance liable to be handled by passengers becoming charged.

90. **Current density in rails.**—Where rails on which cars run are used as a return, the current density in such rails shall not, under ordinary working conditions, exceed nine amperes per square inch of cross-sectional area.

91. **Isolation of sections.**—Every trolley-wire shall be constructed in sections not exceeding one mile in length, and means shall be provided for isolating each section.

92. **Minimum size and strength of trolley-wire.**—No trolley-wire shall be of less cross-sectional area than eight one-hundredths of a square inch or shall have an actual breaking load of less than 4,500 lbs.

93. **Height of trolley-wire and length of span.**—A trolley-wire or a traction-feeder on the same supports as a trolley-wire shall nowhere be at a height from the surface of the street of less than 17 feet, except where it passes under a bridge or other fixed structure, or through or along a tunnel or mine-shaft or the like, in which case it shall be suspended to the satisfaction of an Inspector. The intervals between the supports shall not exceed 140 feet.

94. **Records.**—(1) The owner shall, so far as is consistent with his system of working, keep the following records, namely:—

(*a*) daily records showing—

the maximum working current from the source of supply;

the maximum working pressure at the source of supply;

the difference of potential, as required by rule 86; and

the leakage-current (if any), as required by rule 87 and rule 88; and

(*b*) occasional records showing—

every test made under rule 85 (2) and (3);

every stoppage of leakage, together with the time occupied; and

particulars of any abnormal occurrence affecting the electrical working of the system.

(2) These records shall be open to inspection by an Inspector or by any person authorised in writing by an Inspector.

CHAPTER X.

ADDITIONAL PRECAUTIONS TO BE ADOPTED IN MINES AND OIL-FIELDS.

95. **Application of Chapter.**—(1) The rules in this Chapter apply only—

(*a*) where energy is used in mines where the provisions of Part III of the Act apply; and

(*b*) where energy is used in oil-fields.

(2) In mines the rules in this Chapter do not apply to apparatus used above ground, excepting such apparatus as may directly affect the safety of persons below ground.

96. **Responsibility for observance.**—(1) It shall be the duty of the owner, agent, or manager of the mine, or of the agent of any company operating in the oil-field, or of the owner of one or more drilled wells situated in the oil-field, to comply with and enforce the following rules and it shall be the duty of all persons employed to conduct their work in accordance with the rules.

(2) An authorised person shall be on duty in every mine or oil-field while energy is being used therein.

97. **Notices.**—(1) On or before the first day of February in every year in every oil-field returns giving the size and type of apparatus and any particulars as to the circumstances of its use which may be required by the Inspector shall be sent by the persons specified in rule 96 in the form set out in Annexure IX.

(2) This rule does not apply to telephones and signalling apparatus or to low pressure installations for lighting only.

98. **Plans.**—(1) A correct plan on the same scale as the plan kept at the mine in fulfilment of the requirements of the Indian Mines Act, 1923, **IV of 1923.** shall be kept in the office at the mine showing the position of all fixed apparatus and conductors in the mine, other than lights, telephones or signalling apparatus, or cables for the same.

(2) A similar plan, on a scale of not less than sixteen inches to the mile, shall be kept by the manager or owner of one or more wells in any oil-field, showing similar particulars.

(3) A similar plan, on such scale as the Governor General in Council may require, shall be kept in the office of the licensee or person transmitting or distributing energy in a mine or oil-field, showing the position of all electric supply-lines under his control.

(4) The plans required by this rule shall be corrected every six months, and the dates of correction entered on them by the Manager of the mine or wells or the owner of the wells, and they shall be produced to an Inspector or an Inspector of Mines at any time on his request.

99. **Lighting, communications and fire precautions.**—(1) In a mine lighted by electricity, one or more safety lamps or other proper lights shall be kept continuously burning in all places where failure of the electric light at any time would be likely to cause danger.

(2) Efficient means shall be provided in every mine for communicating between the place in which the switchgear provided under sub-rule (1) of rule 106 is erected and the shaft-bottom or main distributing centre in the mine.

(3) Appliances for extinguishing fires shall be kept ready for immediate use in every place in a mine containing apparatus, other than cables, telephones and signalling apparatus.

100. **Isolation and fixing of transformer, switchgear, etc.**—(1) Where necessary to prevent danger or mechanical damage, transformers and switchgear shall be placed in a separate room, compartment, or box.

(2) Unless the apparatus is so constructed, protected, and worked as to obviate the risk of fire, no inflammable material shall be used in the construction of any room, compartment, or box containing apparatus, or in the construction of any of the fittings therein. Each such room, compartment, or box shall be substantially constructed and shall be kept dry.

(3) Adequate working space and means of access clear of obstruction and free from danger shall, so far as circumstances permit, be provided for all apparatus that has to be worked or attended to, and all handles intended to be operated shall be conveniently placed for that purpose.

101. **Method of earthing.**—Where earthing is necessary it shall be carried out in a mine by connection to an earthing system at the surface of the mine, in a manner approved by an Inspector.

102. **Earth or fault detectors.**—(1) Earth or fault detectors or recorders shall be connected up in every system in a mine to show immediately any defect in the insulation of the system.

(2) The readings of these instruments shall be recorded daily in a book kept at the generating station, sub-station or switch room.

103. **Earthing metal, etc.**—(1) All metallic sheaths, coverings, handles, joint-boxes, switchgear frames, instrument covers, switch and fuse covers and boxes, and all lampholders, unless efficiently protected by an earthed or insulating covering made of fire-resisting material, and the frames and bed-plates of generators, transformers, and motors (including portable motors), shall be earthed by connection to an earthing system in the manner prescribed in rule 101.

(2) Where the cables are provided with a metallic covering constructed and installed in accordance with clause (*d*) of rule 107, such metallic covering may be used as a means of connection to the earthing system.

(3) All the conductors of an earthing system shall have a conductivity at all parts and at all joints at least equal to 50 per cent. of that of the largest conductor used solely to supply the apparatus a part of which it is desired to earth:

Provided that no conductor of an earthing system shall have a cross-sectional area of less than ·022 of a square inch.

(4) All joints in earth conductors and all joints to the metallic covering of the cables shall be properly soldered or otherwise efficiently made.

(5) No switch, fuse, or circuit-breaker shall be placed in any earth conductor.

(6) This rule shall not apply (except in the case of portable apparatus) to any system in a mine in which the pressure does not exceed low pressure direct current or 125 volts alternating current.

104. **Motors and their transformers.**—(1) Where energy is distributed at a pressure higher than medium pressure:—

(*i*) it shall not be used without transformation to medium or low pressure except in fixed machines in which the high pressure parts are stationary; and

(*ii*) motors under 20 H. P. shall be supplied through a transformer stepping down to medium or low pressure.

(2) Where energy is transformed, suitable provision shall be made to guard against danger by reason of the lower pressure apparatus becoming accidentally charged above its normal pressure by leakage from, or contact with, the higher pressure apparatus.

105. **Switchgear and terminals.**—Switchgear and all terminals, cable-ends, cable-joints and connections of apparatus shall be totally enclosed,

and shall be so constructed and installed as to comply with the following requirements:—

(i) all parts shall be of mechanical strength sufficient to resist rough usage;

(ii) all conductors and contact areas shall be of ample current-carrying capacity and all joints in conductors shall be properly soldered or otherwise efficiently made;

(iii) the lodgment of any matter likely to diminish the insulation or affect the working of any switchgear shall be prevented;

(iv) all live parts shall be so protected or enclosed as to prevent persons accidentally coming into contact with them and danger from arcs, short-circuits, fire, water, gas or oil;

(v) where there may be risk of igniting gas, coal-dust, oil or other inflammable material, all parts shall be so protected as to prevent open sparking; and

(vi) every switch or circuit-breaker shall be capable of opening the circuit it controls, without danger, or any short circuit with which it may have to deal.

106. **Cutting off supply.**—(1) Properly constructed switchgear for cutting off the supply of energy to the mine or oil-field shall be provided at the surface of the mine or oil-field at a point approved by an Inspector; and, during the time any cable is live, a person authorised to operate the said switchgear shall be available within easy reach thereof.

(2) Efficient means, suitably placed, shall be provided for cutting off all pressure from every part of a system, when necessary to prevent danger.

(3) Such efficient means shall be provided for cutting off all pressure automatically from the part or parts of the system affected in the event of a fault as may, in the opinion of an Inspector, be necessary to prevent danger.

(4) Every motor shall be controlled by switchgear for starting and stopping, so arranged as to cut off all pressure from the motor and from all apparatus in connection therewith, and so placed as to be easily worked by the person appointed to work the motor.

107. **Cables.**—All cables, other than flexible cables for portable apparatus, shall comply with the following requirements:—

(a) they shall be covered with insulating material (except that the outer conductor of a concentric system may be bare). They shall be efficiently protected from mechanical damage and supported at sufficiently frequent intervals and in such a manner as adequately to prevent damage to the cables or danger;

(b) (i) except as provided in clause (c), no cables other than concentric cables, or two-core cables or multi-core cables protected by a metallic covering, or single-core cables which contain all the conductors of the circuit, shall be used (1) where the pressure exceeds low pressure direct current or 125 volts alternating current or (2) when an Inspector considers that

there is risk of igniting coal-dust or other inflammable material, and so directs; and

(*ii*) the lead sheath of lead sheathed cables and the iron or steel armouring of armoured cables respectively shall be of a thickness not less than that recommended from time to time by the British Standards Institution;

(*c*) where the medium pressure direct current system is used, two single-core cables may be used for any circuit, if their metallic coverings are bonded together by earth conductors so placed that the distance between any two consecutive bonds is not greater than 100 feet measured along either cable;

(*d*) the metallic covering of every cable shall be—

(*i*) electrically continuous throughout;

(*ii*) earthed, if it is required by sub-rule (1) of rule 103 to be earthed, by a connection to the earthing system of not less conductivity than the same length of the said metallic covering;

(*iii*) efficiently protected against corrosion where necessary;

(*iv*) of a conductivity at all parts and at all joints at least equal to 50 per cent. of the conductivity of the largest conductor enclosed by the said metallic covering; and

(*v*) where there may be risk of igniting gas, coal-dust, or other inflammable material, so constructed as to prevent, as far as is practicable, the occurrence of open sparking as the result of any fault or leakage from live conductors:

Provided that, where two single-core cables protected by metallic covering bonded together in accordance with clause (*c*) of this rule are used for a circuit, the conductivity of each of the said metallic coverings at all parts and at all joints shall be at least equal to 25 per cent. of the conductivity of the conductor enclosed thereby;

(*e*) cables and conductors where joined up to motors, transformers, switchgear, and other apparatus, shall be installed so that—

(*i*) they are mechanically protected by securely attaching the metallic covering to the apparatus; and

(*ii*) the insulating material at each cable end is efficiently sealed so as to prevent the diminution of its insulating properties.

Where necessary to prevent abrasion or to secure gas-tightness there shall be properly constructed glands or bushes; and

(*f*) unarmoured cables or conductors, shall be either conveyed in pipes or casings or suspended from efficient insulators by means of some non-conducting material which will not cut the covering and which will prevent contact with any timbering or metal work. If separate uncased wires are used, they shall be kept at least one and a half inches apart and shall not be brought together except at lamps, switches and fittings.

108. **Flexible cables.**—(1) Flexible cables for portable apparatus shall be two-core or multi-core unless they are required for electric welding, and shall be covered with insulating material which shall be efficiently protected from mechanical damage. If a flexible metallic covering is used either as the outer conductor of a concentric system or as a means of protection from mechanical damage, it shall not be used by itself to form an earth conductor for the portable apparatus, but it may be used for that purpose in conjunction with an earthing core.

(2) Every flexible cable for portable apparatus shall be connected to the system and to the portable apparatus by a properly constructed connector.

(3) At every point where flexible cables are joined to main cables a switch shall be provided which is capable of entirely cutting off the pressure from the flexible cables.

(4) Every flexible cable attached to a portable machine shall be examined periodically by the person authorised to work the machine, and, if such cable is used underground, he shall examine it at least once in each shift. If such cable is found to be damaged or defective, it shall forthwith be replaced by a spare cable in good condition, and shall not again be used until it has been properly repaired.

109. **Portable machines.**—The person authorised to work an electrically driven coal-cutter or other portable machine shall not leave the machine while it is working and shall, before leaving the place where such machine is working, ensure that the pressure is cut off from the flexible trailing-cable which supplies such machine. Trailing-cables shall not be dragged along by the machine when working.

110. **Sundry precautions.**—(1) All apparatus shall be kept clear of obstruction and free from dust, dirt and moisture.

(2) Inflammable or explosive material shall not be stored in any room, compartment, or box containing apparatus, or in the vicinity of apparatus.

(3) Should there be a fault in any circuit, the part affected shall be made dead without delay, and shall remain so until the fault has been remedied.

(4) While lamps are being changed the pressure shall be cut off.

(5) No lampholder shall be in metallic connection with the guard or other metal work of a portable lamp.

111. **Precautions where gas exists.**—(1) In any part of a mine or oil-field in which inflammable gas or vapour, whether normally present or not, is likely to occur in quantity sufficient to be indicative of danger, and in any working approaching such part, the following additional requirements shall be satisfied as regards all apparatus:—

(*a*) all cables, apparatus, signalling wires and signalling instruments shall be so constructed, installed, protected, worked and maintained, that in the normal working thereof there shall be no risk of open sparking;

(*b*) all motors shall be so constructed that, when any part is live, all rubbing contacts (such as commutators and slip-rings) are so arranged or enclosed as to prevent open sparking;

(c) the pressure shall be cut off the apparatus immediately if open sparking occurs, and during the whole time that examination or adjustment disclosing parts liable to open sparking is being made. The pressure shall not be switched on again until the apparatus has been examined by the electrician or one of his duly appointed assistants and the defect, if any, has been remedied or the adjustment made;

(d) every electric lamp shall be enclosed in an air-tight fitting, and the lamp globe shall be hermetically sealed; and

(e) a safety lamp shall be provided and kept continually burning near each motor when working and, should the appearance of the flame of such safety lamp indicate the presence of inflammable gas, the pressure shall be cut off immediately from all apparatus in the vicinity and the matter shall be reported forthwith to an official of the mine.

(2) If at any time in any place the percentage of inflammable gas in the general body of the air is found to exceed one and a quarter, the supply of energy shall be cut off immediately from all cables and apparatus in that place and shall not be recommenced so long as the percentage of inflammable gas exceeds that amount.

112. **Shot-firing.**—(1) When shot-firing is being carried on adequate precautions shall be taken to protect conductors and apparatus from injury.

(2) Current from lighting or power circuits shall not be used for firing shots.

(3) Shot-firing cables shall be covered and protected as provided by rule 108 for flexible cables. Adequate precautions shall be taken to prevent them from touching other cables and apparatus.

113. **Signalling.**—Where electrical signalling is used:—

(a) adequate precautions shall be taken to prevent signal and telephone wires from touching cables and other apparatus;

(b) the pressure used in any one circuit shall not exceed 25 volts; and

(c) contact makers shall be so constructed as to prevent the accidental closing of the circuit.

114. **Haulage.**—Haulage by electric locomotives on the overhead trolley-wire system, at pressures not exceeding medium, and haulage by storage battery locomotives, may be used with the prior consent in writing of an Inspector, and subject to such conditions affecting safety as he may impose.

115. **Supervision.**—(1) An electrician shall be appointed in writing by the owner, agent or manager of the mine or by the agent or the owner of one or more wells in an oil-field to supervise the apparatus. If necessary for the proper fulfilment of the duties detailed in this rule, one or more assistants to the electrician shall be appointed by the aforesaid authority.

(2) Every person appointed to work, supervise, examine, or adjust any apparatus shall be competent for the work that he is set to do. No person except the electrician, or a competent person acting under his supervision, shall undertake any work where, in order adequately to avoid danger, technical knowledge or experience is required.

(3) The electrician shall be responsible for the proper performance by himself or by an assistant appointed under sub-rule (1) of the following duties, namely:—

(*i*) the thorough examination of all apparatus (including the testing of earth conductors and metallic coverings for continuity) as often as may be necessary to prevent danger; and

(*ii*) the examination and testing of all new apparatus, and of all apparatus re-erected in the mine before it is put into service in a new position.

(4) In the absence of the electrician for more than three days the owner, agent or manager of the mine or the agent or owner of one or more oil-wells in an oil-field shall appoint in writing an efficient substitute.

(5) The electrician or the substitute appointed for him under sub-rule (4) shall keep at the mine or oil-field a log-book made up of daily log-sheets kept in the form set out in Annexure X. The log-book shall be produced at any time on request to an Inspector of Mines or an Inspector.

116. Exemptions.—The provisions of rules 96 to 113, both inclusive, and 115, shall not apply in any case in which exemption is obtained, on such conditions as he may prescribe, from an Inspector, on the ground either of emergency or special circumstances.

CHAPTER XI.

MISCELLANEOUS.

117. **Relaxation by Government.**—(1) The provincial Government or, where mines, oil-fields or railways are affected, the Governor General in Council may, by order in writing, direct that any of the provisions of rules 38 to 45 and of Chapters VI, VII, VIII and IX of these rules, shall be relaxed in any particular case to such extent and subject to such conditions as it or he may think fit.

(2) The Governor General in Council may by order in writing direct that any of the provisions of Chapter X of these rules shall be relaxed in any particular case to such extent and subject to such conditions as he may think fit.

118. **Relaxation by Inspector.**—(1) An Inspector may, by order in writing, direct that any of the provisions of rules 46, 57, 61, 63, 66, 67, 68, 69 (1) (*a*), 73, 74, 75 and 76 shall be relaxed in any particular case to such extent and subject to such conditions as he may think fit.

(2) Where the pressure on any system does not exceed 125 volts an Inspector may, by order in writing, direct that any of the provisions of rules 38 to 45, both inclusive, 49, 55, 56, 58 to 70, 72 to 111 and 115, shall be relaxed as regards such system to such extent and subject to such conditions as he may think fit.

(3) Every relaxation so directed shall be reported forthwith to, and shall be subject to disallowance or revision by, the provincial Government, or where the relaxation affects mines, oilfields or railways, the Governor General in Council.

119. **Supply of energy by non-licensees.**—Where any person other than the non-licensee is supplied with energy by a non-licensee or has his premises for the time being connected for the purposes of a supply of energy with the works* of a non-licensee, such person shall be deemed to be a consumer for the purposes of rules 38 to 40 inclusive, 48 and 60 and the non-licensee shall be subject to all the liabilities imposed on a licensee by those rules.

120. **Responsibility of Agents and Managers.**—Where any licensees, non-licensees or owners, are responsible for the observance of any of these rules, the agents and managers of such licensees, non-licensees or owners shall be jointly responsible for the observance of these rules in respect of any matters under their control.

121. **Mode of entry.**—All persons entering in pursuance of the Act or these rules, any building which is used as a human dwelling or a place of worship shall, in making such entry, have due regard, so far as may be compatible with the exigencies of the purpose for which such entry is made, to the social and religious usages of the occupant of the building entered.

122. **Penalty for breaking seal.**—Where, in contravention of rule 31, any seal referred to in that rule is broken,—

(*a*) the person breaking the seal shall be punishable with fine which may extend to two hundred rupees; and

(*b*) the consumer when he has not himself broken the seal shall be punishable with fine which may extend to fifty rupees unless he proves that he used all reasonable means in his power to ensure that the seal should not be broken.

123. **Penalty for breach of rule 48.**—Where any electrical installation work of the nature specified in rule 48 has been carried out otherwise than—

(*a*) under the direct supervision of a person holding a certificate of competency issued by the provincial Government under that rule; and

(*b*) in the absence of any applicable exemption under the proviso to sub-rule (1) of that rule, by an electrical contractor licensed by the provincial Government in this behalf;

the consumer or owner, the contractor (if any) through whom the work was carried out, and the person under whose immediate supervision it was carried out shall each be punishable with fine which may extend to three hundred rupees.

124. **Penalty for breach of rules.**—Whoever, being a licensee or non-licensee or consumer or authorised person, or the agent or manager of a licensee, non-licensee or consumer commits a breach of these rules or, being a person specified in rule 70 (1) commits a breach of that rule shall be punishable for every such breach with fine which may extend to three hundred rupees, and in the case of a continuing breach with a further fine which may extend to fifty rupees for every day after the first during which the breach has continued.

125. **Application of rules.**—Subject to the provisions of sub-section (2) of section 58, these rules shall be binding on all persons, companies, and undertakings to whom licences have been granted or with whom agreements have been made by or with the sanction of Government for the supply or use of electricity before the commencement of the Act.

ANNEXURE I.

[SEE RULE 2 (1) (b).]

Specification relating to the Deposition of Silver.

The electrolyte shall consist of a solution of from 15 to 20 parts by weight of silver nitrate in 100 parts of distilled water. The solution must only be used once, and only for so long that not more than 30 per cent. of the silver in the solution is deposited.

The anode shall be of silver, and the kathode of platinum. The current density at the anode shall not exceed 1/5 ampere per square centimetre and at the kathode 1/50 ampere per square centimetre.

Not less than 100 cubic centimetres of electrolyte shall be used in a voltameter.

Care must be taken that no particles which may become mechanically detached from the anode shall reach the kathode.

Before weighing, any traces of solution adhering to the kathode must be removed and the kathode dried.

ANNEXURE II.

[SEE RULE 7 (1).]

Scale of Fees for comparison with the Government of India Standards referred to in Rule 2 (1).

	Rs.
For an instrument intended to be used as a sub-standard and submitted for special examination and testing	80
If required to be kept under observation for a period longer than one month, for each additional month or part of a month . . .	40
For determining a resistance of standard form to highest accuracy obtainable, at one temperature	20
For determining the E. M. F. of a standard cell to highest accuracy obtainable, at one temperature	15

NOTE 1.—The instruments and apparatus under test are to be delivered at and removed from the Government Electrical Laboratory, Bhowanipore, Calcutta, free of cost to Government.

NOTE 2.—In tests requiring the expenditure of a considerable amount of power, a charge to cover the actual cost of the energy used, may be made.

ANNEXURE III.

[SEE RULE 14.]

Model Form of Draft Licence under the Indian Electricity Act, 1910.

[SEE SECTION 3.]

Electric Licence, 19 .

DRAFT LICENCE.

Signature of Applicant or

his Agent (if any).

Address of Applicant.

THE ELECTRIC LICENCE 19 .

Licence for the supply of energy granted by the Government of under the Indian Electricity Act, 1910.

Licence is hereby granted to [1]

[1] The licensee may be any local authority, company or individual. In the case of a firm give names of individual partners.

[carrying on business in partnership under the name and style of] to supply electrical energy in the area,[1] with the powers and upon the terms and conditions all specified below.

Short title.

1. This licence may be cited as "The [2] Electric Licence 19 ".

Interpretation.

2. In this licence :—

(1) "the Act" shall mean the Indian Electricity Act, 1910.

(2) the expression "the licensees" shall mean and include the said [3] and their [or his] permitted assigns ; and

(3) the expression "deposited map" shall mean the plan of the area of supply hereinafter specified which has been deposited with Government in pursuance of the Rules under the Act, which plan is signed for the purpose of identification by the Secretary to the Government of in the Department and by the applicants under the name and style of .

(4) other words and expressions have the same meaning as are assigned to them in the Act or the Rules made thereunder.

Security.[4]

3. (*1*) The period within which, under clause I (*a*) of the Schedule to the Act, the licensee shall show that he is in a position fully and efficiently to discharge the duties and obligations imposed on him shall be

(*2*) The period within which, under clause I (*b*) of the Schedule to the Act, the licensee shall deposit or secure such sum as therein mentioned, and the sum so to be deposited or secured, shall, unless otherwise ordered by the Government under that clause, be and Rupees respectively.

Area of supply.[5]

4. The area within which the supply of energy is authorised by this licence (the area of supply under the Act) is the whole of the area bounded as follows :—

North—By

East—By

South—By

West—By

the boundaries whereof are delineated in the deposited map.

Power to lay mains outside area of supply.[6]

5. The licensee may lay down or place electric supply-lines for the conveyance and transmission of energy from a generating station situated or to be situated at outside the area of supply to the boundary of the area of supply.

Limits within which the supply of energy is to be compulsory.[7]

6. (*1*) The works to be executed to the satisfaction of the Government under clause IV of the Schedule to the Act are the following, namely :—[8]

(*2*) If the licensee fails to comply with the provisions of sub-clause (*1*), the licence may be revoked.[9]

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[1] See clause 4.

[2] Short title to agree with heading.

[3] Individual names as in preamble in the case of a firm.

[4] See section 4 (*1*) (*c*) of the Act and clause I of the Schedule to the Act.

[5] The area for which each local authority is constituted should be distinctly marked or coloured. See rule 11 (*b*).

[6] This clause should be retained only where the licensee is to supply energy from a generating station outside the area of supply. Where power to cross an intervening area is sought under section 3 (*1*) of the Act enter details here.

[7] See section 3 (*2*) (*d*) of the Act.

[8] It is open to the licensee to propose a "compulsory area" or to the provincial Government to make provision for such an area. Ordinarily it will be sufficient to enter here the names of "compulsory streets" in which the licensee will lay distributing mains. If no compulsory works are specified in the licence, the provincial Government may subsequently direct what works are to be executed; see clause IV of Schedule to the Act.

[9] See note to sub-clause (*1*) of this clause.

Nature of the supply and limits of price to be charged for the supply of energy.

7. (*1*) The nature of the supply shall be or such other as the provincial Government may allow.

(*2*) The prices to be charged by the licensee for energy supplied by him shall not exceed the following maxima, namely :—

or in the case of a method of charge approved by the Government in accordance with sub-sections (*3*) and (*4*) of section 23 of the Act, such maxima as the Government may fix on approving the method.

Breaking up of streets, railways and tramways.[1]

8. The licensee is specially authorised to open and break up the soil and pavement of the following streets or parts of streets which are not repairable by the Government or by a local authority, and of the following railways and tramways or parts of railways and tramways, namely :—

(*a*) Streets.

(*b*) Railways.[2]

(*c*) Tramways.[2]

Purchase of undertaking.

9. (*1*) The option of purchase given by sub-section (*1*) of section 7 of the Act shall be exercisable on the expiry of a period of 50 years,[3] from the date of the notification of this licence and on the expiry of every subsequent period of 20 years (and the terms[4] of such purchase shall be). The percentage of the value to be determined in accordance with and for the purpose of sub-section (*1*) of section 7 of the Act of the lands, buildings, works, materials and plant of the licensee therein mentioned to be added under the second proviso of that sub-section to such value on account of compulsory purchase shall be per cent.

(*2*) In accordance with clause (*d*) (*ii*) of sub-section (*2*) of section 3 of the Act, it is hereby declared that the generating station to be used in connection with the undertaking shall/shall not form part of the undertaking for the purpose of purchase under section 5 or section 7[5].

Additions to, variations from, and exceptions from the schedule to the Act.[6]

10. (*1*) In pursuance of clause (*f*) of sub-section (*2*) of section 3 of the Act, it is hereby expressly declared that the provisions contained in the Schedule to the Act shall for the purposes of this licence be supplemented by the addition of the following clauses, namely :—[7]

(*2*) In pursuance of clause (*f*) of sub-section (*2*) of section 3 of the Act, it is hereby expressly declared that the clauses of the Schedule to the Act mentioned below shall be varied in the manner hereinafter indicated, namely :—

(*3*) In pursuance of clause (*f*) of sub-section (*2*) of section 3 of the Act, it is hereby expressly declared that clause(s) of the Schedule to the Act shall be excepted from incorporation in this licence.

NOTE.—In the preparation of a draft licence the above model form may be varied, or added to, by the applicant so far as the Act and rules admit.

Rules Nos. 11 to 15 inclusive, as to applications for licences, should be consulted. In drawing up a draft licence the attention of the applicant is more particularly directed to the following sections of the Act, *viz.*, 3, 4, 7, 10, 11, 12, 21, 22, 23, 27, 51 and 57 ; the powers under section 51 can only be conferred after the grant of the licence.

In the case of licences for bulk supply, see clause IX of the Schedule to the Act and the proviso to clause (*f*) of sub-section (*2*) of section 3 of the Act, also clause (*b*) of section 10 of the Act.

---

[1] This clause to be omitted if no such powers are required in the licence. See section 12 (*5*) of the Act and proviso to the same. Powers can be obtained subsequently ; see rule 23.

[2] In ordinary cases the level-crossings or points at which interference is proposed must be specified.

[3] The periods after which an option to purchase arises may be less than 50 and 20 years, respectively.

[4] The terms must not differ from those laid down in the Act unless the powers of section 10 are invoked to modify or cancel them.

[5] The generating station or stations belonging to the licensee should ordinarily be included except where they form part of a traction undertaking previously authorised.

[6] To be omitted if not required in any draft licence.

[7] The latter part of the clause may require modification according to the circumstances.

ANNEXURE IV.

Model Form of Accounts prescribed under the Indian Electricity Act, 1910, for Local Authorities.

[SEE SECTION 11 AND RULE 36 (3).]

ELECTRIC LICENCE.

THE †

Year ending 31st December 19 . / 31st March 19 .

I.—Statement as to loans authorised for the purposes of the undertaking referred to in the abovementioned licence prior to the end of the year for which accounts are made up.

Amounts sanctioned and nature of loan.	Amount borrowed.				Amount repaid.				Amount sanctioned but not borrowed.
	At per cent.	At per cent.	At per cent.	Total.	At per cent.	At per cent.	At per cent.	Total.	

† Enter designation of local authority.

Local Authorities Accounts.

No. II.—CAPITAL ACCOUNT.

For the year ending 31st December 19 . / 31st March 19 .

DR. CR.

—	Expenditure up to end of previous year.	Expended during the year.	Total expenditure to	—	Receipts up to end of previous year.	Received during the year.	Total receipts to
1. To preliminary expenses (to be specified).				1. By amount raised by loans.			
2. To lands, including law charges incidental to acquisition.				2. By amount received as Government contribution.			
3. To value of lands appropriated for electrical purposes, as per contra.				3. By value of lands belonging to authority appropriated for electrical purposes.			
4. To buildings . .				4. By value of surplus lands sold.			
5. To plant . . .				5. By other receipts (to be specified).			
6. To mains . .				6. By amount transferred from Net Revenue Account.			
7. To service connections.							
8. To transformers, etc. .							
9. To meters and fees for certifying under the Act.							
10. To general stores .							
11. To transfer to Sinking Fund of value of lands sold, as per contra.							
12. To amount applied to the reduction of principal of borrowed money from value of (2), lands sold, as per contra.							
13. To special items (to be specified).							
Total expenditure .							
To balance of Capital Account.							

Local Authorities Accounts.

No. III.—REVENUE ACCOUNT.

For the year ending 31st December 19 . / 31st March 19 .

Dr. | Cr.

A.—Generation.			1. By balance from last account.		
1. To fuel			Less bad debts written off.		
2. To oil, waste, water and engine-room stores.					
3. To proportion of salaries of engineers, superintendents and officers.			2. By sale of energy for lighting purposes.		
4. To wages and gratuities .			3. By sale of energy for power purposes.		
5. To repairs and maintenance as follows :—			4. By sale of energy under special contracts.		
Buildings . . .			5. By public lighting .		
Plant . . .					
To special items (to be specified).			6. By rental of meters and other apparatus on consumer's premises.		
6. To other items (to be specified).			7. By rents receivable .		
B.—Distribution.			8. By service connections .		
1. To proportion of salaries of engineers, superintendents and officers.			9. By miscellaneous receipts from consumers.		
2. To wages and gratuities .			10. By other items (to be specified).		
3. To repairs, maintenance and renewals of mains.					
4. To repairs, maintenance and renewals of transformers, etc.					
5. To repairs, maintenance and renewals of meters, switches, cut-outs and other apparatus on consumer's premises.					
C.—Public lamps.					
1. To attendance and repairs.					
2. To renewals, etc. . .					
D.—Rents, rates and taxes.					
1. To rents payable . .					
2. To rates and taxes .					
Carried over .					

Local Authorities Accounts.

No. III.—REVENUE ACCOUNT—*concld.*

DR.				CR.		
Brought forward .						
E.—Management expenses.						
1. To salaries, *viz.*—						
Engineer's Department .						
Clerical Department .						
2. To general establishment charges.						
F.—Law charges.						
To Law expenses . .						
G.—Special charges.						
To special items (to be specified).						
Total expenditure .						
Amount carried to Net Revenue Account.						
Balance carried to next account to provide for bad debts.						
Total				Total .		

Local Authorities Accounts.

No. IV.—NET REVENUE ACCOUNT.

DR.			CR.
1. To interest on mortgage debt accrued due to date.		1. By balance from last account	
2. To instalments of principal of money borrowed.		2. By balance brought from Revenue Account (No. III).	
3. To amount transferred to Capital Account.		3. By interest on money at deposit.	
4. To amount transferred to Sinking Fund where such fund is authorised.			
5. To payments to Reserve Fund where such is authorised.			
6. To sum applied to local rate.			
7. To income-tax paid . .			
To balance carried forward .			
Total .		Total .	

No. V.—SINKING FUND ACCOUNT.

DR.	Stock.			Stock.	CR.
1. To amount paid for purchase of (nature of investment to be specified).			1. By balance brought from last account.		
2. To stock sold during period of account.			2. By amount brought from Net Revenue Account.		
3. To amount of principal of borrowed money repaid.			3. By interest on investment.		
4. To amount of balance to next account.			4. By value of lands transferred from Account II.		
			5. By amount realized by sale of stock (nature of stock to be specified).		
			6. By stock purchased .		
Total .			Total .		

Local Authorities Accounts.

No. VI.—RESERVE FUND ACCOUNT.

DR.	Stock.				CR.
1. To amount paid for purchase of (nature of investment to be specified).			1. By balance brought from last account.		
2. To stock sold . .			2. By amount transferred from net revenue account.		
3. To sum transferred to revenue account.			3. By stock purchased .		
4. To amount of balance to next account.			4. By amount realized by sale of stock (nature of stock to be specified).		
Total .			Total .		

No. VII.—GENERAL BALANCE SHEET.

DR. *Liabilities.*		*Assets.*	CR.
1. To capital account : Amount received as per account No. II.		1. By capital account : Amount expended for works as per account No. II.	
2. To sundry creditors . .		2. By stores on hand . .	
3. To net revenue account : Balance at credit thereof		3. By sundry debtors for current supplied to end of the year.	
4. To sinking fund account .		4. By other debtors . .	
5. To reserve fund account .		5. By securities as held (cost price).	
6. To other items (to be specified).		6. By other items (to be specified).	
		7. By cash with treasurer .	
		8. By cash in hand . .	
Total .		Total .	

Companies' Accounts.

No. III.—CAPITAL ACCOUNT.

For the year ending 31st December 19 / 31st March 19 .

DR. CR.

—	Expenditure up to end of previous year.	Expended during the year.	Total expenditure to	—	Receipts up to end of previous year.	Received during the year.	Total receipts to
1. To preliminary expenses (to be specified).				By ordinary shares of.			
				Ditto .			
2. To lands including law charges incidental to acquisition.				By preference shares of.			
				By Debenture stock.			
3. To buildings .				By mortgages and bonds.			
4. To plant .							
5. To mains .				By amounts received in anticipation of calls.			
6. To service connections.							
7. To transformers, etc.				By other receipts (to be specified).			
8. To meters, and fees for certifying under the Act.							
9. To general stores.							
10. To special items (to be specified).							
Total expenditure							
To balance of Capital Account.							

Companies' Accounts.

No. IV.—REVENUE ACCOUNT.

For the year ending 31st December 19 . / 31st March 19 .

DR.			CR.		
A.—Generation.			1. By sale of energy for lighting purposes.		
1. To fuel . . .			2. By sale of energy for power purposes.		
2. To oil, waste, water and engine-room stores.			3. By sale of energy under special contracts.		
3. To proportion of salaries of engineers, superintendents and officers.			4. By public lighting .		
4. To wages and gratuities .			5. By rental of meters and other apparatus on consumer's premises.		
5. To repairs and maintenance as follows:—			6. By rents receivable .		
Buildings . . .			7. By transfer fees . .		
Plant . . .			8. By service connections .		
To special items (to be specified).			9. By miscellaneous receipts from consumers.		
			10. By other items (to be specified).		
B.—Distribution.					
1. To proportion of salaries of engineers, superintendents and officers.					
2. To wages and gratuities .					
3. To repairs, maintenance and renewals of mains.					
4. To repairs, maintenance and renewals of transformers, etc.					
5. To repairs, maintenance and renewals of meters, switches, cut-outs and other apparatus on consumer's premises.					

Companies' Accounts.

No. IV.—REVENUE ACCOUNT—*contd.*

DR. CR.

C.—Public lamps.					
1. To attendance and repairs.					
2. To renewals, etc. . .					
D.—Rents, rates and taxes.					
1. To rents payable . .					
2. To rates and taxes . .					
E.—Management expenses.					
1. To Directors' remuneration.					
2. To management . .					
3. To general establishment charges.					
4. To Auditors of Company					
5. To Auditor appointed under the provisions of the Act.					
F.—Law charges.					
To law expenses .					
G.—Depreciation.					
1. To depreciation in respect of leasehold works.					
2. To depreciation in respect of buildings.					
3. To depreciation on plant .					
4. To depreciation on mains					
5. To depreciation on transformers, etc.					
6. To depreciation on meters					
7. To depreciation on general stores.					

Companies' Accounts.

No. IV.—REVENUE ACCOUNT—contd.

DR.			CR.		
G.—Depreciation—contd.					
8. To depreciation in respect of any other items (to be specified).					
H.—Special charges.					
To special items (to be specified).					
Total expenditure .					
Balance carried to net revenue.					

V.—NET REVENUE ACCOUNT.

DR.			CR.		
1. To interest on debentures accrued due to date.			1. By balance from last account.		
2. To interest on mortgages and bonds accrued due to date.			Less dividend paid		
3. To interest on temporary loans accrued due to date.			By amount carried to Reserve Fund.		
4. To dividend on preference stock.			2. By balance brought from Revenue Account (No. IV).		
5. To Income-tax paid . .			3. By interest on money at deposit.		
6. To balance applicable to dividend on ordinary stock or shares.					

Companies' Accounts.

VI.—RESERVE FUND ACCOUNT.

DR.		CR.	
1. Amount paid out (items to be specified).		1. By balance brought from last account.	
2. Amount of balance to next account.		2. By amount brought from Net Revenue Account.	
		3. By interest on amount invested.	
		(Description of investments to be specified.)	

VII.—DEPRECIATION FUND ACCOUNT.

DR.		CR.	
To balance		1. By Balance from last account	
		2. By interest on investments .	
		3. By amount brought from Revenue Account (see No. IV-G.).	
		(Description of investments to be specified).	

Companies' Accounts.

VIII.—GENERAL BALANCE SHEET.

DR. CR.

Liabilities.		*Assets.*	
1. To capital account: amount received as per Account No. III.		1. By capital account: amount expended for works as per Account No. III.	
2. To sundry creditors due on construction of plant and machinery, fuel, stores, etc.		2. By stores on hand . .	
		3. By sundry debtors . .	
3. To sundry creditors on open accounts.		4. By preliminary expenses awaiting adjustment.	
4. To net revenue account: balance at credit thereof.		5. By securities as held (cost price).	
5. To reserve fund account: balance at credit thereof.		6. By special items (to be specified).	
6. To depreciation fund account .		7. By cash at bankers . .	
7. To special items (to be specified).		8. By cash on hand . .	
Total .		Total .	

Companies' Accounts.

No. IX.—STATEMENT OF ENERGY GENERATED, SOLD, ETC.

Total energy generated in Kilowatt-hours.	Kilowatt-hours sold.					Kilowatt-hours used on works.	Kilowatt-hours not accounted for.	Total Kilowatt-hours accounted for.	Kilowatts connected for public lamps.	Total consumers connected.	Total Kilowatts connected.*	Plant installed Kilowatts.	Maximum supply demanded in Kilowatts.
	Public lamps.	By special contract.	Consumers by meter for lighting purposes.	Consumers by meter for power purposes.	Total.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14

*Where the undertaking supplies power to tramways the units sold to the tramway should be treated as sold by "special contract". In calculating the "total Kilowatts connected" the kilowatts connected exclusive of the tramway should first be ascertained; then the kilowatts connected to the tramway system should be assumed to bear the same ratio to the units used on the tramway as the remaining kilowatts connected bear to their consumption.

ANNEXURE VI.

Form of Requisition under Clause V (*4*) of the Schedule to the Act.

To

Name of licensee.

* We the undersigned, being owners or occupiers of premises situated in or upon street, within the "area of supply" specified in the licence, 19 , do

† The Government of (the‡ of being charged with public lighting of street, within the area of supply specified in the licence, 19 , do

hereby require(s) you, in pursuance of clause V of the Schedule to the Indian Electricity Act, 1910, to provide, within six months of the date of this requisition, distributing mains throughout the said street§

Dated at

The day of 19 .

* In the case of six or more owners or occupiers.

† In the case of Provincial Government or a local authority.

‡ The local authority's name will have to be inserted.

§ Or such part of the street as may be specified.

ANNEXURE VII.

Form of Requisition under Clause VI (*5*) of the Schedule to the Act.

To

Name of licensee

[I] hereby require you, in accordance with clause VI of the Schedule to the Indian Electricity Act, 1910, within one month or within such longer period as the Electric Inspector may allow, from the date of this requisition, to supply electrical energy for the premises owned (occupied) by me, situate within the "area of supply" specified in the licence, 19 , for the following :—

Wiring work will be carried out by

Dated at

The day of 19 . Signature.

NOTE.—Under clause VI (*1*), 1st proviso, sub-head (*b*), of the Schedule to the Indian Electricity Act, 1910, the licensee shall not be bound to comply with any such requisition unless and until the person making it if required by the licensee so to do, pays to the licensee the cost of so much of any service line as may be laid down or placed for the purposes of the supply upon the property in respect of which the requisition is made, and of so much of any service line as it may be necessary for the said purposes to lay down or place beyond one hundred feet from the licensee's distributing main although not on that property.

ANNEXURE VIII.

Form of Order under Rule 5, Sub-rule (4).

To

licensee, non-licensee, consumer or occupier.

1. Whereas it appears to me that you have not complied with Rule of the Indian Electricity Rules, 1937, [in the following respects,* namely

]

you are hereby called upon to comply with the said rule on or before the......th day of .... 19.... and to report compliance in writing to me.

2. An appeal may be filed against this order under rule 5 (4) of the Indian Electricity Rules within three months of the date on which this order is received by you ; but this order must be complied with, notwithstanding such appeal, unless the appellate authority, on or before the date specified in paragraph 1 above, suspends its operation.

Dated at

Signature.

The day of 19 .

Electric Inspector.

* Particulars to be given where necessary.

ANNEXURE IX.

Form of Annual Return for Oil-fields.

(SEE RULE 97.)

This form must be correctly filled up by the owner, agent or manager, and sent to the Inspector not later than the first day of February 19 .

PART A.

Year ending 19 .

Name of Oil-field

Situation of Oil-field — { **District** / **Province** }

Postal address of Oil-field

Name and address of Owner

Name of Manager

Name of Under-Manager

ANNEXURE IX—*contd.*

Form of Annual Return for Oil-fields.

PART B.

Type and Horse-Power of Electrical Apparatus.

1.—System of Supply (whether direct current or alternating current).

Voltage of Supply . .

Periodicity (if alternating current).

Source of Supply . . .

2.—Voltage at which current is used for—

Lighting . . . .

Power . . . . .

3.—Particulars of Motors, etc., in use on the field :—

(*a*) On wells.

No. or other identifying mark of well.	Drilling or pumping.	H. P. of Motor.	No. of lamps and type.	Other electrical appliances.

(*b*) Not on wells.

H. P. of Motor.	Purpose for which used.	Identifying mark on map.

4.—Other electrical appliances, not included in item 3, in use on the field.

Appliances.	Size in K. W.	Purpose for which used.	Identifying mark on map.

ANNEXURE X.

Log Sheet for Mines and Oil-fields.

[SEE RULE 115 (5).]

Daily Log sheet for 19 .

1. Name of electrician in charge :—

2. Report as to :—

(*a*) Condition of the insulation of the system :—

(*b*) Specific defects of insulation (particulars of each failure of apparatus should be given) :—

(*c*) Accidents or dangerous occurrence (including any cases of electric shock and any cases of open sparking in apparatus in use in places where rule 111 applies) :—

(*d*) Examinations* of apparatus as provided by rule 115 :—

(*i*) Routine examinations as required by rule 115 (3) (i).

(*ii*) Special examinations* as required by rule 115 (3) (ii).

3. Remarks :—

Signed Electrician.

Examined by Manager.

NOTE.—This log sheet should be filled in as completely as possible. If, for instance, there are no defects of insulation to report, the word " none " should be written in the vacant space.

* State which apparatus has been examined or tested and result.

C. M. KER,

Secretary, Central Electricity Board.

RESERVE BANK OF INDIA—PUBLIC DEBT OFFICE.

ıent of Government Promissory Notes enfaced for payment of Interest in London, under deduction of amount -transferred to India, and outstanding in the Books of the Indian Government Rupee Loans Office, Reserve Bank India on the 30th June 1938.

ɪCULARS.	2¾ PER CENT. LOAN. 1948-52.	3 PER CENT. LOANS. 1896-97.	Bonds, 1941.	1951-54.	3½ PER CENT. LOANS. 1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.
on 31st 1938 .	*Nil*	11,40,600	*Nil*	1,06,700	26,52,300	95,58,900	40,52,000	10,93,100	4,34,650	3,30,65,600
nt of Loan ificate Transed to Stock ondon .	...	...	...	...	...	...	...	...	...	...
nt issued in don by Conion under ification No.	...	...	...	...	...	...	...	...	...	...
nt enfaced at ras up to	...	...	...	...	...	...	...	...	...	...
nt enfaced at nbay up to	...	...	...	...	...	...	...	...	...	...
nt enfaced at cutta between and 30th e 1938 .	...	...	...	...	500	6,000	500	...	1,000	...
	Nil	11,40,600	*Nil*	1,06,700	26,52,800	95,64,900	40,52,500	10,93,100	4,35,650	3,30,65,600
nt written off the London gisters . .	...	...	...	...	...	64,500	...	...	...	...
on 30th 1938 .	*Nil*	11,40,600	*Nil*	1,06,700	26,52,800	95,00,400	40,52,500	10,93,100	4,35,650	3,30,65,600

TICULARS.	4 PER CENT. LOANS. Bonds, 1943.	1960-70.	4½ PER CENT. LOAN. 1955-60.	5 PER CENT. LOANS. Indian War Loan, 1929-47.	1945-55.	1939-44.	1940-43.	5½ PER CENT. LOANS. War Bonds, 1928.	1938-40.	TOTAL.
on 31st 1938 .	2,00,00,000	7,13,100	8,500	100	23,61,200	6,24,300	5,38,700	100	1,88,000	7,65,37,850
nt of Loan tificate transed to Stock London	...	...	...	...	...	...	...	...	...	...
nt issued in don by Conion under tification No.	...	...	...	...	...	...	...	...	...	...
nt enfaced at dras up to	...	...	...	...	...	...	...	...	...	...
nt enfaced at nbay up to	...	...	...	...	...	...	...	...	...	...
nt enfaced at cutta between and 30th e 1938 .	...	...	...	...	49,300	...	...	...	...	57,300
	2,00,00,000	7,13,100	8,500	100	24,10,500	6,24,300	5,38,700	100	1,58,000	7,65,95,150
nt written off the London gisters . .	...	2,00;000	...	...	...	2,20;000	...	...	...	4,84,500
e on 30th 1938 .	2,00,00,000	5,13,100	8,500	100	24,10,500	4,04,300	5,38,700	100	1,88,000	7,61;10,650

ESERVE BANK OF INDIA,
PUBLIC DEBT OFFICE;
Calcutta, the 5th July 1938.

S. A. RAHIM,
Accountant.

L. PERTWEE,
Manager.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 5th July 1938.

No. 22.—Mr. Mohomed Ghouse Mohiaddin is appointed Assistant Currency Officer, Reserve Bank of India, Issue Department, Lahore, with effect from the forenoon of the 23rd June 1938 *vice* Mr. Gauri Shanker reverted as a Senior Superintendent.

MANILAL B. NANAVATI,
Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Bombay, the 4th July 1938.

The following appointment on the Bank's staff is hereby notified:—

Mr. H. J. Fitz-Patrick to officiate as Secretary and Treasurer, Bengal Circle, as from the close of business on the 30th June 1938, *vice* Mr. B. A. C. Neville.

W. LAMOND,
Managing Director.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATIONS.

Calcutta, the 28th June 1938.

No. 1639.—In supersession of this office Notification No. 1635, dated 19th May 1938, the retention of the services of Rai Sahib Raj Bahadur Mathur, Offg. Superintendent, being necessary in the interests of the public service, he is granted with due regard to the requirements of F. R. 56 (*a*), an extension of service for a period of 4 months and 14 days from the 18th June 1938 to the 31st October 1938, subject to the usual condition of his remaining physically and mentally fit to carry out his duties.

C. G. LEWIS,
Brigadier,
Surveyor General of India.

Office of the Director, Map Publication.

Calcutta, the 2nd July 1938.

No. 116.—In supersession of this office Notification No. 115, dated the 16th June 1938, Mr. M. A. Khan, Extra Assistant Superintendent, attached to No. 1, Drawing Office, Survey of India, Calcutta, was granted, under the Fundamental Rules, leave on average pay for 6 days, with effect from the 20th June 1938 with permission to prefix and affix the Sundays on the 19th June 1938 and the 26th June 1938, respectively to his leave.

There was every expectation of Mr. Khan's returning to the post from which he proceeded on leave and returned to the post.

L. H. JACKSON,
Lt.-Colonel, I.A.,
Director, Map Publication.

Office of the Director, Geodetic Branch.

Dehra Dun, the 1st July 1938.

No. 4.—Mr. Prayag Sharan Shinghal, C.E., Extra Assistant Superintendent, Survey of India, is granted under the Revised Leave Rules, earned leave for 60 days with effect from the 29th August 1938 with permission to prefix Sunday the 28th August to his leave.

C. H. THOMPSON,
Colonel,
Director, Geodetic Branch,
Survey of India.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATION.

New Delhi, the 6th July 1938.

No. 01642-E./01370-E.—Consequent on the grant of two months' leave on average pay to Mr. L. F. Ruse, Superintendent, Horticultural Operations, New Delhi, with effect from 1st June 1938 afternoon, Sardar Sahib Bahadur Singh, Executive Engineer, Construction Division was placed in charge of the Horticultural Division and made responsible for all office and accounts work of that Division.

2. Mr. A. Percy Lancaster, Assistant Superintendent, Horticultural Operations, was entrusted with the outdoor duties of the post of Superintendent, Horticultural Operations from the same date.

F. T. JONES,
Chief Engineer.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

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K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 9th July 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

DEPARTMENT OF MINES.

NOTIFICATION.

Dhanbad, the 5th July 1938.

No. 9899-G.—Mr. Mohammad Yasin, a subordinate in the Department of Mines, has been appointed to be an Assistant Inspector of Mines with effect from the 5th July 1938, *vice* Mr. Vidya Sagar Chopra promoted.

W. KIRBY,
Chief Inspector of Mines in India.

INDIAN COAL GRADING BOARD.

NOTIFICATION.

Calcutta, the 27th June 1938.

No. 1.—The following gentlemen have been nominated to be members of the Coal Grading Board for two years ending 28th February 1938:—

Rai A. C. Banerjee Bahadur, M.A., C.I.E.—Nominated by Bengal National Chamber of Commerce.

Mr. R. B. Whitehead.—Nominated by the Indian Mining Association.

Mr. F. C. Guthrie.—Nominated by the Bengal Chamber of Commerce.

Mr. P. C. Basu.—Nominated by the Indian Mining Federation.

J. R. HARRISON,
President,
Coal Grading Board.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATION.

New Delhi, the 4th July 1938.

No. 99-P.—The services of 3rd Class Assistant Surgeon F. E. Dias, I.M.D., are replaced at the disposal of the Director of Medical Services in India with effect from the 1st May 1938.

N. M. WILSON,
Major-General, I.M.S.,
Director-General, I.M.S.

OFFICE OF COMMISSIONER, CENTRAL EXCISES AND SALT, NORTHERN INDIA.

NOTIFICATIONS.

APPOINTMENT.

Delhi, the 25th June 1938.

No. 89.—Mr. Bhag Singh Lamba, Probationary Superintendent, Central Excises and Salt, Northern India, Khewra, is appointed to act as Superintendent, Jatta, with effect from the date on which he takes over charge from Mr. David granted four months' leave from the 5th August 1938.

(F. 175-Et./38.)

LEAVE.

Delhi, the 25th June 1938.

No. 90.—Mr. A. David, Superintendent, Central Excises and Salt, Northern India, is granted leave for four months on average pay, with effect from the 5th August 1938, with permission to retire at the end of the leave.

(F. 175-Et./38.)

F. C. KING, I.C.S.,

Commissioner,

Central Excises and Salt,

Northern India.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 30th June 1938.

No. 67-An.—Mr. Jhanda Singh, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions, reverted to his substantive grade, with effect from the afternoon of the 29th June 1938.

Simla, the 1st July 1938.

No. 68-An.—Mr. Phulchand, Deputy Controller of Military Accounts (Administration), Lahore, is granted privilege leave for 19 days from the 11th June 1938, with permission to affix thereto the gazetted holiday on the 30th June 1938.

No. 69-An.—The undermentioned officiating Deputy Assistant Controllers of Military Accounts in the office of the Controller of Military Accounts, Southern Command, reverted to their substantive grades, with effect from the dates shown against each:—

Mr. G. P. Gaikwad	. **17th June 1938 (A. N.)**
Mr. S. P. R. Sarma	. **18th June 1938 (A. N.)**

J. PARLBY,

Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

New Delhi, the 30th June 1938.

No. S. 177/15.—Mr. Kaushal Kishore, Superintendent of Post Offices, is permitted to retire from service, with effect from the 14th January 1939.

G. V. BEWOOR,

Director-General, Posts and Telegraphs.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 28th June 1938.

No. A. E. 780/1.—Mr. M. J. Chugtai, Assistant Executive Engineer, Junior Scale, was appointed to officiate as Executive Engineer, Senior Scale, from the 20th April 1938 to the 30th May 1938.

No. A. E. 780/2.—Mr. P. N. Saxena, Assistant Executive Engineer, Junior Scale, has been appointed to officiate as Executive Engineer, Senior Scale, with effect from the 6th May 1938 forenoon.

No. A. E. 780/3.—Mr. E. Massingham, officiating Production Engineer, Lower Gazetted Service has been appointed to officiate as Production Engineer, Senior Scale, with effect from the 14th June 1938 forenoon.

Calcutta, the 2nd July 1938.

No. A. E. 2134/Prom./4-I.—Mr. E. G. E. Paddon, Assistant Electrical Engineer, Junior Scale, has been permanently promoted as District Electrical Engineer, Senior Scale, with effect from the 10th May 1938 forenoon.

J. A. BELL,

General Manager.

Calcutta, the 28th June 1938.

No. E. P. 897.—Mr. C. E. Dickins, District Signal Engineer, Senior Scale, has been granted 4 months and 20 days leave on average pay combined with 3 months and 10 days leave on half average pay to Europe, with effect from the 28th July 1938 or subsequent date of relief.

J. A. BELL,

Agent.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 25th June 1938.

No. 71.—Mr. T. S. Rao, Assistant Electrical Engineer, is granted leave (out of India) on average pay for 3 months and 20 days, with effect from 25th July 1938, or subsequent date of relief.

Lahore, the 29th June 1938.

No. 73.—Mr. D. R. Khanna, Junior Assistant, Rates, is granted leave on average pay for 2 months, with effect from 23rd May 1938.

Lahore, the 2nd July 1938.

No. 74.—Mr. J. N. Mehta, Assistant Engineer, is granted leave on average pay for two months, with effect from 5th July 1938, or subsequent date of relief.

J. MACKINNON,

General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 1st July 1938.

No. 21620-S./2175.—Mr. D. Scott-Scott, Mechanical Engineer, Senior Scale, who was granted 7 months' combined leave, from 18th November 1937, has been granted an extension of 13 days' furlough on half pay by the High Commissioner for India.

Mr. R. B. Lall, Assistant Transportation Superintendent, Junior Scale, was granted 11 days' leave on average pay from 1st June 1938.

Mr. M. A. Quadeer, Assistant Transportation Superintendent, Junior Scale, availed himself of one month and 21 days' leave on average pay from 18th May 1936 instead of 2 months' leave on average pay as previously notified.

Mr. E. L. D'Abreu, Assistant Signal and Interlocking Engineer (Lower Gazetted Service), availed himself of 5 months and 8 days' combined leave (*viz.*, 4 months' privilege and one month and 8 days' furlough on full pay) from 15th October 1937 instead of 5 months and 9 days as previously notified.

Mr. W. Palmer, Assistant Engineer (Lower Gazetted Service), has been granted 6 months' leave, (*viz.*, 4 months' privilege and 2 months' furlough on full pay from 2nd May 1938).

Mr. H. C. Baral, Assistant Transportation Superintendent, Junior Scale, has been appointed to officiate in the Senior Scale, from 29th April 1938.

Mr. E. G. Kotiswaran, Assistant Transportation Superintendent (Power), has been appointed to officiate in the Senior Scale (Power), from 25th May 1938.

Mr. M. Todd, Transportation Inspector, has been appointed to officiate as Assistant Transportation Superintendent in the Lower Gazetted Service, from 29th April 1938.

J. H. F. RAPER,

General Manager.

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Acts.

1877.

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1886.

VI.—KARACHI PORT TRUST ACT [BOMBAY ACT].—As modified upto 1st January 1938. *As. 5 or 6d.*

1934.

XXII.—INDIAN AIRCRAFT ACT.—As modified upto the 1st April 1938. *Anna 1 or 1½d.*

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Acts—*contd.*

1938.

I.—REPEALING ACT. *Anna 1 or 1½d.*

IV.—INSURANCE ACT. *As. 5 or 6d.*

V.—MANOEUVRES, FIELD FIRING AND ARTILLERY PRACTICE ACT. [In Urdu]. *As. 4 or 5d.*

VI.—DESTRUCTIVE INSECTS AND PESTS [AMENDMENT] ACT. [In Urdu]. *As. 2 or 3d*

VII.—CHILD MARRIAGE RESTRAINT [AMENDMENT] ACT. [In Urdu]. *Anna 1 or 1½d.*

X.—CUTCHI MEMONS ACT. *Anna 1 or 1½d.*

XI.—HINDU WOMEN'S RIGHTS TO PROPERTY [AMENDMENT] ACT. *Anna 1 or 1½d.*

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XV.—INDIAN COFFEE CESS [AMENDMENT] ACT. *Anna 1 or 1½d.*

XVI.—INDIAN TARIFF [AMENDMENT] ACT. *Anna 1 or 1½d.*

INDIAN FINANCE ACT. [In Urdu]. *As. 2 or 3d.*

Statutes, Rules and Orders.

RO.54. **GOVERNMENT OF BURMA [INDIA-BURMA FINANCIAL SETTLEMENT] ORDER,** 1938. *Anna 1.*

RO.55. **GOVERNMENT OF INDIA [ADAPTATION OF ACTS OF PARLIAMENT] [AMENDMENT] ORDER,** 1938. *Anna 1.*

RO.53. **GOVERNMENT OF INDIA [GOVERNORS' ALLOWANCES AND PRIVILEGES] [AMENDMENT] ORDER,** 1938. *Anna 1.*

INDIAN BOILER REGULATIONS—

IL.1.38. 1924, 5th Reprint. As amended upto the 1st March 1938. *As. 12 or 1s. 3d.*

AGRICULTURE AND FORESTRY.

AGRICULTURE AND LIVESTOCK IN INDIA—

ICAR.1.VIII.3. Vol. VIII, Part III, May 1938. *Rs. 2 or 3s. 6d.*

Contents :—

EDITORIAL—

The All-India Cattle Show, February 1938.

ORIGINAL ARTICLES—

Sons of the Soil [Studies of the Indian Cultivator].

X.—The United Provinces Cultivator.

1. The Jat Cultivator. [Abdul Hamid Khan Sahabzada].
2. The Muslim Cultivator of Oudh. [Maya Das].
3. The Kurmi Cultivator. [Ahmad].
4. The Bundelkhand Cultivator. [Parr].

A Note on Collection and Cultivation of Medicinal Plants. [Chopra and Badhwar].

Insects in Relation to Disease of Domesticated Animals. [Sen].

Improved Pusa Oats for Fodder Production. [Bose].

The Vitamin A [Carotene] and C Content of Mangoes. [Banerjee and Ramasarma].

Note on Effect of Stripping of Dry Cane Leaves for Prevention of Damage by *Pyrilla* Attack [United Provinces 1935-36]. [Richards].

Studies on the Loss of Fat during Butter-making and Prevention of this Loss. [Francisco].

BOARD OF AGRICULTURE AND ANIMAL HUSBANDRY—

ICAR.2.2. Proceedings of the Second Meeting of the Animal Husbandry Wing held at Madras from 14th to 16th December 1936 with Appendices. *Rs. 3-10 or 6s. 3d.*

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Contents :—

General Report of the Geological Survey of India for the year 1937. [Heron].

The Hindu Kush Earthquake of the 14th November, 1937. [Coulson].

On Khoharite, a New Garnet, and on the Nomenclature of Garnets. [Sir Lewis Leigh Fermor].

Provisional Statistics of some of the more important Indian Minerals for 1937. [Heron].

Miscellaneous Note—

Quarterly Statistics of Production of Coal, Gold and Petroleum in India including Burma : October to December 1937.

Meteorology.

SCIENTIFIC NOTES—

DGO.19.VII.77. Vol. VII, No. 77.—Distribution of Heavy Rainfall over India. *As. 12 or 1s. 3d.*

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MANUAL FOR THE MANAGEMENT OF—

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General.

PRB. 35 [N]. **STATE RAILWAY CODE FOR THE STORES DEPARTMENT** [Provisional Issue], 1938. *Rs. 2-8 or 4s. 6d.*

FINANCE.

Audit and Account Codes.

POSTS AND TELEGRAPHS INITIAL ACCOUNT CODE—

PAGPT.5.IA [N]. Appendix 4 to Vol. I [General Account Code]. First Edition [Reprint]. [Corrected upto 30th November 1937]. *As. 7 or 9d.*

General.

STANDING FINANCE COMMITTEE—

Proceedings of the meeting of the—

RAILWAYS—

PRB.28.XV.1 [N]. Vol. XV, No. 1, 12th April 1938. *Anna 1 or 1½d.*

MILITARY.

EQUIPMENT REGULATIONS—

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ROYAL CORPS OF SIGNALS—

MO-R 78 [N]. Telegraph Operating Section, Supplementary Reserve, 1938, Part 2, Sec. 13-J. *[not for sale].*

HANDBOOKS—

MO-H 51 [N]. **DRAGONS, LIGHT, MARKS I, IA, II, IIA, IIB, IIC AND IID. LAND SERVICE,** 1938. *[not for sale]*

INSTRUCTION BOOKS AND PAMPHLETS—

ARTILLERY INSTRUMENTS, ANTI-AIRCRAFT—

DIRECTIONS FOR THE USE OF—

MO-D 6 [N]. Pamphlet No. 4. Telescope, Identification, A. A. Mark II, 1938 [War Office]. *[not for sale].*

INDIAN MILITARY PENSIONERS. PAMPHLET FOR THE GUIDANCE OF—

MAJ-P 20 [N]. Hindi Edition, 1938. *[not for sale].*

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LIST OF CHANGES IN WAR MATERIAL AND OF PATTERNS OF MILITARY STORES FOR H. M.'S ARMY SERVING IN INDIA—

MO-LC 6/38 [N]. June 1938. *[not for sale].*

MANUALS—

MQ-M 11 [N]. **MECHANICAL VEHICLES [WHEELED]. MANUAL OF DRIVING AND MAINTENANCE FOR**—[War Office], 1937. *[not for sale].*

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MCR-N 9 [N]. 1939 [Home]. *[not for sale].*

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MAF-I 24 [N]. **CLOTHING AND ACCOUTREMENTS,** Part 9, Secs. 19, 22A to H, J, K, 23 and 23-A, 1938. *[not for sale].*

RANGE TABLES—[WAR OFFICE]—

MO-R 79 [N]. **Q. F. 3-PR. HOTCHKISS AND Q. F. 3-PR. NORDENFELDT GUNS,** 1933. [40/W. O./5892]. *[not for sale].*

REGULATIONS—

ARMY IN INDIA—

MCR-P 7 [N]. Pay and Allowance, Vol. I, 1938. [Revised Edition, 1st January 1938]. [Amendments including Government sanctions issued upto 31st August 1937 are incorporated in these Regulations]. *As. 14 or 1s. 6d.*

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REPORTS—

HEALTH OF THE ARMY [War Office]—

MAJ-R 46 [N]. Volume LXXII, 1936. *[not for sale].*

MAJ-S 7 [N]. **ROYAL ARMY MEDICAL CORPS, ROYAL ARMY MEDICAL CORPS [T. A.] AND ARMY DENTAL CORPS. STANDING ORDERS,** [Home], 1937. *[not for sale].*

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ADMINISTRATION REPORT OF—[Including that of the Marine Survey of India]—

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ROYAL ARMY SERVICE CORPS TRAINING—

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MGS-S 169 [N].	Vol. II, 1937 [Home], Part II, Supplement—Skip—Distance Graphs for Short-wave Signalling.	[*not for sale*].

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TRADE AND COMMERCE.

General.

CROP FORECASTS, 1937-38—

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DGCIS.29.7.4.38.	Fourth Forecast.	*As. 3 or 4d.*

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REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, JULY 16, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 16th July 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

July 2, 1938.

25397. M. V. Apte. A new type of magic lantern called " Adult educator ".
25398. P. S. Subramanyam. Improvements to veena or the stringed musical instrument with frets.
25399. P. S. Subramanyam. Improvements to the thamboora or the musical instrument for use as an accompaniment.
25400. C. S. Over. Improvements in or relating to the pistons of internal combustion engines. (July 5, 1937).
25401. C. S. Over. An improved piston or plunger for engines, pumps and the like. (July 5, 1937).

July 4.

25402. R. C. Srivastava and Dr. H. D. Sen. A new decolorising mixture for refining low grade sugar and allied products.
25403. R. C. Srivastava and Dr. H. D. Sen. A new process for manufacturing ' daylight ' oils by the admixture of kerosine oils of various grades with absolute alcohol.
25404. E. Voilas and M. Baladi. Improvements in joints for sub-soil drainage pipes. (November 15, 1937).
25405. J. A. Maytum and L. Smigh. Improvements in and relating to mirrors and to binoculars and the like.
25406. Nippon Filmon Kabusiki Kaisya. A gramophone for playing records of an endless film.
25407. Nippon Filmon Kabusiki Kaisya. A process for manufacturing an endless-film record for sound reproduction.
25408. Combined Optical Industries Ld. and W. E. Williams. Improvements in the moulding of plastic and other mouldable materials.
25409. Epeda-Werke Rudolf Platte. Improvements in or relating to spring assemblies or spring fillings. (June 2, 1938).
25410. Callender's Cable and Construction Co. Ld. Improvements relating to electric conductors and the like. (July 8, 1937).
25411. J. Goodson. Improvements in or relating to apparatus for practising card games. (May 6, 1938).
25412. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to ultra high frequency amplifiers.
25413. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to electron discharge tube amplifiers.
25414. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to electron discharge tubes.

July 5.

25415. A. Contardi and B. Ciocca. Process for the extraction of pure cellulose from annual and biannual plants.
25416. R. F. Cottingham. Improvements in washing machines. (November 1937).
25417. Societe Anonyme Des Manufactures De Glaces Et Produits Chimiques De Saint-Gobain, Chauny & Cirey. Improvements in and relating to the heating of liquid paths by electric current.

July 6.

25418. Chocksee's Sons. An improved advertising means.
25419. I. G. Farbenindustrie Aktiengesellschaft. The manufacture of quinoline derivatives. (July 7, 1937).
25420. W. Warren. Improvements in or relating to a process of and apparatus for fermenting of tea leaf and manufactured tea produced thereby.

July 7.

25421. Dunlop Rubber Co. (India) Ld. Improvements in tractor wheels. (August 1937).
25422. G. R. Grubb. Improvements in and relating to envelopes. (July 12, 1937).

July 8.

25423. N. S. Gunmaker. Improvements in ploughs.
25424. Textile Appliances Ld. Improvements in and relating to balling machines for silver. [Addition to No. 21918.]
25425. B. Nier. An improved means for closing the fuel container of a hurricane lantern in an oil-tight manner.

Alteration of Date.

(I)

24256. The claim to priority date 27th July 193 has been abandoned and the application dated as of 26th July 1937, the date of filing in India.

(II)

25369. Ante-dated 31st January 1938 under Section 5.

(III)

25383. Ante-dated 3rd July 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications

Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23861. Thermo-Electric Oil Extraction Ld. Improvements in the treatment of carbonaceous volatile matter, including gases, vapours and fumes. *Passing the volatile matter between unidirectional electrically charged non-discharging electrodes.*

24169. The Laterite Syndicate Ld. Improved process of producing a cement-forming material and apparatus therefor. *Raw material cemented together, or briquetted, to form lumps to feed the furnace in the two stage process described in Printed specification No. 18911.*

24173. Standard Telephones and Cables Ld. Modulating arrangements for electric signalling systems. (August 7, 1936). *Modulating by direct current the amplitude of alternating currents transmitted, the circuits for the two being separate.*

24176. Research Corporation. The manufacture of pyrimidine thiazolium compounds. (June 2, 1937). *Condensing 2 methyl 5 bromomethyl 6 amino pyrimidine hydrobromide with 4 methyl 5 (B hydroxyethyl) thiazole.*

24256. W. Fletcher. Toilet depilatory preparation. *Reacting mercaptan carboxylic acid or salt with excess alkali so that the pH of the resultant product is between 10 and 13.*

24316. G. B. L. Symonds. Improvements in and connected with the purification of liquids. (August 26, 1936). *Subjecting to floe conditioning treatment and examining light conductivity to control subsequent treatment.*

24470. Union Kuppling Aktiengesellschaft. Improvements in or relating to automatic coupler for railway or like vehicles. [Addition to No. 21437.] *At least two impact surfaces arranged to lie in or substantially in the medial transverse plane of the coupler heads to limit their travel.*

24573. T. W. Scroggie and D. L. Brodie. Improvements in and relating to braking or tempering devices for spinning, roving or the like frames. *Braking members separate but rotatable at the same speed as bobbin spindle being adapted to engage mechanically with said braking members.*

24650. R. M. Shah. Improvements in or relating to torches. *Pin and plot engagement means for adjusting cap in respect of casing.*

24707. Colgate-Palmolive-Peet Co. Detergents and method of making them. *Treating mineral oil fraction with a sulphonating agent in the presence of liquid sulphur dioxide.*

24757. H. A. Brassert and H. A. Brassert & Co. Ld. Improvements in and relating to the manufacture of steel. (December 21, 1936). *Raising the silicon content of the iron to furnish extra heat by oxidation, stopping the blow before complete dephosphorisation, removing slag and adding dephosphorising materials.*

24758. J. L. et Lavigne. Improvement in centrifugal distillation. *Subjecting the vapours and condensates concurrently to centrifugal force.*

24798. J. W. Hoag. Method and apparatus for attempering materials. *Material advanced along a rotating drum and exposed to drying gas.*

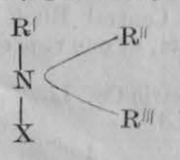
24802. T. G. Nyborg and The Mining Engineering Co. Ld. Improvements in or relating to the extraction of dust from air and gases by spraying with liquids. (July 16, 1937). *Water spray directed along the axis of a mixing tube through which the dust laden air is passed under conditions producing a vortex.*

24862. N. V. De Bataafsche Petroleum Maatschappij. Process for the manufacture of lubricants. *Addition of a polycarboxylic acid to the lubricant.*

24886. O. Reynard and Thomas Ness Ld. Improved process and apparatus for the distillation of tar or pitch. (July 16, 1937). *Circulating an inert gas supersaturated with tar vapours through the still.*

25002. Pilkington Brothers Ld. Improvements in and relating to the tempering of hollow glass articles. *Means for immersing article in bath of liquid and causing flow of liquid inside.*

25016. Imperial Chemical Industries Ld. Improvements in the treatment of cellulosic materials for imparting water repellent properties. (April 2, 1937). *Impregnating with an aqueous solution of quaternary salt of formula* $R\text{-}O\text{-}CH_2$



25018. Electric Selectors Limited. Improvements relating to apparatus for feeding articles in sorting and like machines. (March 10, 1937). *Objects passing across an illuminated background and before photoelectric cell.*

25019. Electric Selectors Limited. Improvements relating to apparatus for feeding articles in sorting and like machines. (March 10, 1937). *Feeding articles near the centre of a rotating disc with a spiral mounted above.*

25020. E. S. Ezra and S. E. Ezra. Improvements in or relating to electric batteries. *Filter paper inserted between negative plate and depolarising material.*

25027. M. M. Lohar. An adhesive coating device for cementing together papers and fabric. *Comprising rollers for coating, means for liquefying bitumin wiper, vertically adjustable roller for cementing the fabric and the paper, etc.*

25072. Y. Asahina. Process for preparing a new tetralin derivative. *Tetralylquinol obtained by reducing 6 nitrotetralin to the hydroxyl amino tetralin and treated with acid.*

25073. Y. Asahina. Process for preparing derivatives of tetralylquinol. *Acylating tetralylquinol.*

25078. H. H. Wilkes and C. Whatmuff. Composition of matter and articles produced therefrom by casting, moulding or the like, and which is applicable to various surfaces for decorative and other purposes. *Comprising cellulose matter, cuprammonium, alum, camphor, plaster of Paris, phenol, formaldehyde, gelatin glue, acetic acid, linseed oil, and turpentine in specified proportions.*

25085. F. B. Ashton-Hockly. Device for manipulating or working a pivoted ventilator shutter. (May 24, 1937). *Cleat attached to shutter frame engages rod hinged to bolt with spring arrangement.*

25369. O. Reynard and Thomas Ness Ld. Improved process and apparatus for the distillation of tar or pitch. [Ante-dated January 31, 1938.] [Addition to No. 24886.]. *Regulating the amount of the light condensates for controlling the supersaturation of the circulating inert gas.*

25383. W. P. Digby and E. T. Digby. Improvements in the treatment of copper-chromium alloy steels. (July 3, 1936). [Ante-dated July 3, 1937]. *Alloy steel having 5 to 10 per cent. copper and from 10 to 30 per cent. chromium and iron with 0·3 per cent. carbon in the form of casting by rapid cooling.*

Printed Specification Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23766. The General Electric Co., Ld.
24035. Machines Pty., Ld.
24062. Bruecker.
24071. Rostron aud (Mrs.) Rostron.
24087. Dewey & Almy Chemical Co.
24094. Remfry.
24148. Rollo Razor, Ld.
24181. Marconi's Wireless Telegraph Co., Ld.
24185. Banadium Corporation of America.
24212. Pescara.
24289. van Reesema.
24307. Shepherd, and Shepherd's Industries, Limited.
24312. International General Electric Co. Inc.
24377. Knoll A. G., Chemische Fabriken.
24386. International General Electric Co., Inc.
24401. Office General De La Cinematographie Francaise.
24402. Office General De La Cinematographie Francaise.
24412. Dhanji.
24502. The Linde Air Products Company.
24601. Mountstephen, Wood and Spence.
24684. Watson.
24711, Universal Oil Products Co.
24742. Dunlop Rubber Co. (India), Ld.
24750. I. G. Farbenindustrie Aktiengesellschaft
24803. Automatic Telephone and Electric Co., Ld
24826. British & Dominions Feralloy Ld.
24880. Shepherd.
24908. McWilliam, Goodman and McLeod & Company Limited.
24910. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorf (Hanomag).
24920. Bennett (Hyde), Ld.
24921. Hugo Schneider Aktiengesellschaft.
24935. Marconi's Wireless Telegraph Co. Ld.
24945. Pintus.
24948. Stewarts and Lloyds Ld.
24965. Fletcher.
24969. The Mirrlees Watson Co., Ld.
24980. C. W. Mine Products Co., Ld.
24982. Dr. Ing. C. Weicken & Co. Kommanditgesellschaft.
25007. Stator Corporation.
25213. The General Electric Co. Ld.
25261. F. S. Kerr & Co., and Balvalli.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23725. Stronach.
23732. The British Tabulating Machine Co.. Ld.
23758. E. I. Du Pont De Nemours and Co.
23847. I. G. Farbenindustrie Aktiengesellschaft.
23879. Woodward.
23972. Latif.
24111. Elastic Stop Nut Corporation.
24247. Dhanji.
24388. Renck.
24408. Aagaard.
24413. Dr. Röhm.
24423. Hoffmann.
24462. Saunders and Coveney.
24471. I. G. Farbenindustrie Aktiengesellschaft.
24500. Naik and Shirgaokar.
24616. Gresham & Craven, Ld.
24625. The American Rolling Mill Co.
24633. Monro.
24663. Pilkington Brothers, Ld.
24671. Ruhrchemie Aktiengesellschaft.
24679. Universal Oil Products Co.

Patents Sealed.

23369. The General Electric Co. Ld.
23654. Chaubal.
23872. Dubey.
24108. Universal Oil Product Co.
24109. Universal Oil Product Co.
24328. J. Stone & Co. Ld.
24268. British Celanese Ld.
24453. Shri Dhar.
24483. N. V. Philips' Gloeilampenfabrieken.
24546. Owens-Illinois Glass Co.
24547. Corning Glass Works.
24554. Marconi's Wireless Telegraph Co. Ld.
24581. Brandwood.
24606. I. G. Farbenindustrie Aktiengesellschaft.

Opposition Proceedings.

The opposition entered by M. G. Pai to the grant of a patent on application No. 23555 made by W. Jefferies and Peirce, Leslie & Co., Ld., and notified in Part II of the *Gazette of India*, dated the 29th January 1938, has been disallowed.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

19034. The Indian Iron & Steel Co. Ld.
23018 and 23019. Rowntree & Co. Ld.
23603, 23604, 24078, 24079 and 24153. The Tata Iron and Steel Co., Ld.

Extension of the term of Patent.

In continuation of the notification which appeared in Part II of the *Gazette of India*, dated the 20th February 1937, notice is hereby given that the petition for extension of the term of patent No. 7302 filed by Y. N. Gore, has been disallowed by the Central Government.

Renewal Fees Paid

PATENTS.

11660. International General Electric Co., Inc. (To 14th September 1939).
12616. International General Electric Co. Inc. (To 27th September 1939).
12730. Heskamp. (To 17th November 1939).
12731. Heskamp. (To 17th November 1939).
12998. Spicers Ld. (To 24th September 1939).
13601. International General Electric Co. Inc. (To 12th September 1939).
13602. International General Electric Co. Inc. (To 12th September 1939).
14103. Johnson & Turner Ld., and anr. (To 26th July 1939).
14245. Banjara. (To 12th July 1939).
14630. Dr. Fowler. (To 30th July 1939).
14758. International General Electric Co. Inc. (To 3rd September 1939).
14831. International General Electric Co. Inc. (To 24th September 1939).
15283. Levick. (To 1st September 1939).
15836. Lightalloys Ld., and anr. (To 19th July 1939).
15990. Elektrotechnische Fabrik Schmidt & Co. Gesellschaft m.b.H. (To 9th July 1939).
15993. I. G. Farbenindustrie Aktiengesellschaft (To 11th July 1939).
16125. Amar Nath. (To 10th August 1939).
16264. International General Electric Co. Inc. (To 23rd September 1939).
16265. International General Electric Co. Inc. (To 23rd September 1939).
16858. Paper Sacks Ld. (To 14th August 1939).
16898. Naamlooze Vennootschap De Baatafsche Petroleum Maatshcappij. (To 14th August 1939).
17183. Peterson. (To 10th July 1939).
17217. Oliver United Filters Inc. (To 21st July 1939).
17277. John Levick Ld., and anr. (To 11th August 1939).
17335. Imperial Chemical Industries Ld. (To 1st September 1939).
17380. International General Electric Co. Inc. (To 15th September 1939).
17409. Eternit Pietra Artificiale Societa Anonima. (To 26th September 1939).
17476. Gebruder Volkart. (To 26th August 1939).
17519. Debor and anr. (To 3rd November 1939).
18329. I. G. Farbenindustrie Aktiengesellschaft. (To 27th October 1939).
18331. International General Electric Co. Inc. (To 7th September 1939).
18404. Pulvis Aktiengesellschaft. (To 5th October 1939).
18876. Gilbert. (To 11th April 1939).
19106. International Hydrogenation Patents Co., Ld. (To 1st August 1939).
19121. I. G. Farbenindustrie Aktiengesellschaft. (To 9th August 1939).
19178. Kopp. (To 5th September 1939).
19286. The Lancashire Steel Corporation Ld. (To 19th October 1939).
19377. Wibmer and anr. (To 13th September 1939).
19402. Associated Electrical Industries Ld. (To 4th December 1939).
19410. Associated Electrical Industries Ld. (To 4th December 1939).
19506. Associated Electrical Industries Ld. (To 19th December 1939).
19787. Tiwari. (To 8th April 1939).
19992. Rajagopalan. (To 8th June 1939).
20153. Runback. (To 7th August 1939).
20196. I. G. Farbenindustrie Aktiengesellschaft. (To 28th August 1939).
20498. Associated Electrical Industries Ld. (To 16th January 1940.)
20988. Modighani & ors. (To 3rd July 1939).
20995. Bharucha. (To 6th July 1939).
21014. Turnbull. (To 14th July 1939).
21020. Casablancas. (To 16th July 1939).
21055. A. B. Alka Aluminiumkapslar. (To 31st July 1939).
21056. A. B. Alka Aluminiumkapslar. (To 31st July 1939).
21065. Electro-Chemical Engineering Corporation. (To 6th August 1939).
21089. Wool Industries Research Association & ors. (To 13th August 1939).
21123. Cowans Sheldon & Co., Ld. (To 27th August 1939).
21150. The Master General of the Ordnance in India. (To 6th September 1939).
21153. Naamlooze Vennootschap De Baatafsche Petroleum Maatschappij. (To 7th September 1939).
21173. Kumardhubi Fireclay & Silica Works Ld. (To 15th September 1939).
21189. Dr. Korni. (To 18th September 1939).
21501. Associated Electrical Industries Ld. (To 2nd January 1940).
21530. Associated Electrical Industries Ld. (To 9th January 1940).
21567. Pestarini. (To 21st January 1940).
22011. Kadenacy. (To 31st August 1939).
22059. Kadenacy. (To 14th August 1939).
22166. Bedford. (To 26th September 1939).

Cessation of Patents.

10213. Standard Development Co.
11217. International General Electric Co., Inc.
13128. Filtrators Ld., and anr.
15576. Wynn-Williams.
17881. I. G. Farbenindustrie Aktiengesellschaft.
18809. Molins.

18822. F. L. Smidth & Co. A/S.

19650. The Consolidated Brake & Engineering Co. Ld.

19769. Aktiebolaget Svenska Flaktfabriken.

19780. Hornell.

20725. Imperial Chemical Industries. Ld.

20736. Wakeford.

20737. Reddy.

20739. Burslem.

20741. Imperial Chemical Industries Ld.

20744. Scheibinger.

20748. The General Electric Co. Ld., and ors.

20754. Uhde.

21743. Fastitch Machines Ld.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 11. Nos. 62989 and 62990. Hla Bayin Company of The Grand Lingerie House, 217. C. Soorty Bazaar, Rangoon, Burma. January 21, 1938.

Class 11. No. 63356. Ahmed Ebrahim Brothers of No. 15, Zakaria Street, Calcutta, Bengal, British India and also at 716/720, Merchant Street, Rangoon, Burmah. June 2, 1938.

Class 13. Nos. 63278 to 63285. Chotalal Ravicarandas & Co., of 42/44, Champagali, Bombay 2. April 25, 1938.

Class 13. No. 63417. The Mafatlal Fine Spg. & Mfg. Co. Ld. of Navsari, Baroda State. June 14, 1938.

Class 13. Nos. 63418 to 63420. The Standard Mills Co. Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. June 14, 1938.

Class 13. Nos. 63421 and 63422. E. D. Sassoon & Co., Ld., of E. D. Sassoon Building, Ballard Estate, Bombay, British India. June 15, 1938.

Class 13. No. 63424. F. Steiner & Co., Ld., of Church, Lancashire, England. June 17, 1938.

Class 13. Nos. 63425 to 63431. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. June 20, 1938.

Class 13. Nos. 63433 to 63435. Sha Dwarkadas Dhanji of Mulji Jetha Market, Gaumukh Galli, Bombay 2. June 20, 1938.

Class 13. Nos. 63436 and 63437. The Central India Spinning, Weaving & Manufacturing Co., Ld., of "Bombay House", Bruce Street, Fort, Bombay. June 20, 1938.

Class 13. No. 63438. The Ahmedabad Manufacturing and Calico Printing Co. Ld., of Ahmedabad, Bombay Presidency, British India. June 20, 1938.

Class 13. Nos. 63440 to 63454. The Standard Mills Co., Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. June 22, 1938.

NOTICES

THE PATENT OFFICE, 1 COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ,

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.

POONA . . .	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON. . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

NOTIFICATION.

Calcutta, the 8th July 1938.

No. 1784-P.—Dr. S. Venkateswaran, Examinor of Patents, is granted leave on average pay fer 20 days with effect from the 11th July 1938.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICE.

Madras, the 9th July 1938.

Portions of the following Currency notes of the Madras Office of Issue are stated to have been destroyed and applications for payment of their value have been received from the persons whose names are shown against the numbers. Any other person who considers himself as having a right to them is warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
S/51-558843	100	Moosaji Mahomed Daya, Village Takoli, Post Navasari, Surat District.
S/59-378298	100	Srinivasa Thevan, son of P. Ramaswami Thevan, Mudaliar Kuttagai, Ayakkarambalam Second Sethi, Tirutturaipundi Taluk, Tanjore District.

P. S. V. NAMBI,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, MADRAS.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 11th July 1938.

No. 23.—Mr. D. Venkatrayalu, is appointed to act as Assistant Currency Officer, Reserve Bank of India, Issue Department, Rangoon, with effect from the 22nd April 1938, *vice* Mr. P. S. V. Nambi transferred to Madras.

MANILAL B. NANAVATI,

Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Bombay, the 11th July 1938.

The Annual General Meeting of the Shareholders of the Imperial Bank of India will be held at the Local Head Office of the Bank, Madras, on Monday, the 22nd August 1938, at 4 P.M. (Standard Time) for the transaction of the following business:—

1. To receive the Central Board's Report, the Balance Sheet of the Bank made up to the 30th June 1938, and the Report of the Auditors.

2. To elect three Auditors and to fix their remuneration.

W. LAMOND,

Managing Director.

GOVERNMENT OF INDIA.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATION.

Simla, the 7th July 1938.

No. D.-392 (11).—Mr. K. N. Sharma, B.Sc. (Benares), A.M.I.E. (Ind.), Assistant Engineer (Inspection), Calcutta Circle, Indian Stores Department, is granted extension of leave on average pay, from the 25th June 1938 to the 9th July 1938, with permission to affix to the leave Sunday, the 10th July 1938, in continuation of the leave on average pay for two months from the 25th April 1938 to the 24th June 1938 notified under No. D.-392 (11), dated the 9th May 1938.

J. S. PITKEATHLY,

Chief Controller of Stores.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATION.

New Delhi, the 12th July 1938.

No. 01828-E./01370-E.—On return from leave Mr. Malik Akbar Hayat Khan Noon, Assistant Executive Engineer, resumed duty in the Provincial Division in New Delhi on the forenoon of the 4th July 1938.

F. T. JONES,

Chief Engineer.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATIONS.

New Delhi, the 13th July 1938.

No. EB-15.—With reference to this office notification No. EB-15, dated the 29th January 1938, Mr. M. N. Ghosh, Assistant Aerodrome Officer has been permitted to rejoin duty in the Office of the Chief Aerodrome Officer, Drigh Road, Sind, on the forenoon of the 20th June 1938. The unexpired portion of his leave is hereby cancelled.

No. EB-15—Mr. K. L. Puri, Assistant Aircraft Inspector, Juhu, Bombay, is granted 'earned leave' for 31 days with effect from the 1st July 1938.

F. TYMMS,

Director of Civil Aviation in India.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI.

NOTIFICATION.

New Delhi, the 11th July 1938.

No. 5172.—Dr. M. Mitra, Assistant Mycologist, is granted further extension of leave on average pay for eighteen days from the 29th June 1938.

B. VISWA NATH,

Director.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on:
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- Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

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K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 16th July 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 7th July 1938.

No. 70-An.—Mr. C. G. Mudaliar, a Deputy Assistant Controller of Military Accounts, Northern Command, is granted privilege leave for 3 months and 29 days from the 1st June 1938, with permission to affix the Dusehra holidays, from the 30th September 1938 to the 3rd October 1938.

No, 71-An.—Mr. Shiv Ram Kakar, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, reverted to his substantive grade, with effect from the afternoon of the 24th June 1938. He has been reappointed to officiate as a Deputy Assistant Controller of Military Accounts in that office with effect from the forenoon of the 1st July 1938.

No. 72-An.—Mr. B. S. Narayanswami, Deputy Controller of Military Accounts, Southern Command, is granted privilege leave for 20 days, with effect from the 30th June 1938.

No. 73-An.—Mr. Bhagwan Singh Wadhwa, an accountant in the office of the Controller of Military Accounts and Pensions has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the 1st July 1938.

No. 74-An.—Mr. Gopi Chand Jali, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Western Command, is granted combined leave for one month and 15 days, with effect from the 4th July 1938, consisting of privilege leave for one month and 9 days and furlough on half average salary for the remaining period. He is permitted to affix the gazetted holiday on the 19th August 1938 to this leave.

Simla, the 11th July 1938.

No. 1-An.—Mr. Meghraj Tuteja, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, reverted to his substantive grade, with effect from the 1st July 1938 (afternoon).

J. PARLBY,

Military Accountant General.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 12th July 1938.

No. 100-P.—The services of Major C. H. Lincoln, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 10th June 1938.

New Delhi, the 9th July 1938.

No. 101-P.—Lieut. A. C. Sinclair, I.M.D., Manager, Medical Store Depot, Madras, is granted privilege leave for 3 months and 28 days, with effect from the forenoon of 20th June 1938.

No. 102-P.—The services of 3rd Class Assistant Surgeon K. A. de' Rozario, I.M.D., are placed at the disposal of the Officer-in-Charge, Medical Store Depot, Madras, with effect from the 15th June 1938.

No. 103-P.—The services of No. 1723 Jamadar Mehar Chand Sharma, I.M.D., are placed at the disposal of the Officer-in-Charge, Government Medical Store Depot, Lahore Cantonment, with effect from the 10th June 1938.

New Delhi, the 14th July 1938.

No. F. 10-1/38/64-P.—Major M. K. Kelavkar, M.B.E., I.M.S., Officer-in-Charge, Medical Store Depot, Lahore Cantonment, is granted two months' privilege leave, with effect from the forenoon of the 4th July 1938.

First Class Assistant Surgeon E. Duckworth, M.B.E., I.M.D., Manager, Medical Store Depot, Lahore Cantonment, is appointed to hold charge of the Depot, with effect from the 4th July 1938 (forenoon) in addition to his own duties.

N. M. WILSON,

Major-General, I.M.S.,

Director-General, I.M.S.

GOVERNMENT OF THE UNITED PROVINCES.

Education Department.

NOTIFICATION.

CANCELLATION.

Allahabad, the 6th July 1938.

Order No. F./468/XV-815.—This Department Notification No. F./431, dated June 17, 1938, is hereby cancelled.

CORRIGENDUM.

Allahabad, the 6th July 1938.

No. 469.—In line 10 of para. 2 of the Agreement published with this Department Notification No. F. 306/XV-815-1936, dated April 28, 1938, regarding the acquisition of land for the vocational Middle Boys' School, Etah, owned by the North India Mission of the American Presbyterian Church in the United States of America having its registered office at Muthiganj Allahabad, substitute "6·74" for "674".

By Order, etc.,

P. M. KHAREGAT,

Secretary.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

Simla, the 4th July 1938.

No. S.-177/16.—Mr. R. W. Matthews, Deputy Assistant Engineer, Telegraphs, grade A, is permitted to retire from service, with effect from the 29th October 1938.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 6th July 1938.

No. A. E. 1568.—Mr. G. I. Hewitt, Assistant Signal Engineer, Junior Scale, Superior Revenue Establishment State Railways, is confirmed in the appointment, with effect from the 1st April 1938.

Calcutta, the 7th July 1938.

No. A. E. 780/1.—Mr. B. M. Bhambhani, Assistant Executive Engineer, Junior Scale, has been appointed to officiate as Executive Engineer, Senior Scale, with effect from the 25th April 1938 afternoon.

Calcutta, the 8th July 1938.

No. E. P. 844.—Mr. A. N. Puri, Assistant Executive Engineer, Junior Scale, has been granted 2 months and 9 days leave on average pay on medical grounds, with effect from the 15th May 1938.

J. A. BELL,

General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 11th July 1938.

No. 21.—Mr. R. Krishnaswamy, Assistant Works Manager was granted leave on average pay for 1 month and 7 days with effect from the 3rd June 1938 with permission to affix Sunday the 10th instant.

R. L. W. MEEHAN,

Chief Mechanical Engineer.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 8th July 1938.

No. 75.—Mr. G. P. Shahani, Assistant Executive Engineer, is granted leave on average pay for one month and 11 days, with effect from 10th April 1938 and leave for 4 months, viz., leave on average pay for 3 months and 16 days and on half average pay for the remaining period, with effect from 25th May 1938.

2. This cancels this office Notification No. 32, dated 21st March 1938.

Lahore, the 11th July 1938.

No. 76.—Mr. Daya Chand, Offg. Divisional Executive Engineer, is granted leave on average pay for one month, with effect from 1st August 1938, or subsequent date of relief.

J. MACKINNON,

General Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, JULY 23, 1938.

☞ **Separate paging is given to this Part in order that it may be filed as a separate compilation.**

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage. Rs.	A.	P.	Additional postage for supplies out of India. Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
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Part II-A	15	0	0	5	0	0
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Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 23rd July 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

July 9, 1938.

25426. D. B. Cooper. Malleable cast iron perforated flange for textile industry.

July 11.

25427. J. N. Curtis. Improvements in safety catch for window shutters of railway and tramway carriages and the like.

25428. F. Schicht. Improvements in or relating to a blower or pump for delivering gases and liquids. (October 2, 1937).

25429. C. J. H. Penning. Improvements in or relating to the treatment of molasses. (August 13, 1937).

25430. Telefunken Gesellschaft Fur Drahtlose Telegraphie m. b. H. Improvements in or relating to carrier wave modulating circuit arrangements.

25431. Meehanite Metal Corporation and O. Smalley. Improvements in method of manufacturing cast iron and product thereof.

25432. Societe D'Electrochimie, D'Electrometallurgie Et Des Acieries Electriques D'Ugine. Process for obtaining alloys.

July 12.

25433. G. S. Kapur. The manufacture of amorphous carbon black.

25434. R. Powley & Sons Ld., and O. Powley, Method for the destruction of bacteria present in empty vessels, tanks or the like and means therefor. (July 27, 1937).

25435. Metropolitan-Cammell, Carriage and Wagon Co. Ld., J. W. Kidd and F. H. Rayer. Bus and coach bodies. (July 16, 1937).

25436. Standard Telephones and Cables Ld. Improvements in or relating to teleprinter exchange systems.

25437. The General Electric Co. Ld. Improvements in or relating to electric discharge lamps comprising luminescent materials. (July 23, 1936), [Divisional Date April 26, 1937].

25438. K. Daeves, G. Becker and F. Steinberg. A process for forming a chromium-containing layer on a surface of a ferrous article.

July 13.

25439. Standard Telephones and Cables Ld. Improvements in or relating to teleprinter exchange systems.

25440. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Process for the manufacture of aneurin. (May 19, 1938).

25441. The General Electric Co. Ld. Improvements in electrical resistors. (April 21, 1938).

25442. The Mirrlees Watson Co. Ld., and N. B. Bach. Improvements relating to apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices and similar liquors. (July 14, 1937).

25443. The Mirrlees Watson Co. Ld., and N. B. Bach. Improvements relating to apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices and similar liquors. (July 14, 1937).

25444. The Mirrlees Watson Co. Ld., and N. B. Bach. Improvements relating to apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices, and similar liquors. (July 14, 1937).

25445. The Mirrlees Watson Co. Ld., and N. B. Bach. Improvements relating to apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices, and similar liquors. (July 14, 1937).

25446. The Mirrlees Watson Co. Ld., and N. B. Bach. Improvements relating to apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices, and similar liquors. (July 14, 1937).

July 14.

25447. S. Singh. An improved system or arrangement for providing amusement.

25448. Fielder's General Products Pty., Ld. An improved process for the manufacture of powdered gluten from cereals. (July 21, 1937).

25449. Hoover, Ld. Improvements in or relating to absorption refrigerating apparatus. (August 20, 1937).

25450. The General Electric Co., Ld. Improvements in gas-tight junctions with quartz.

July 15.

25451. S. D. Agrawal. An automatic device for prevention of railway collisions and derailments.

25452. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to high frequency circuit arrangements. (July 15, 1937).

25453. S. M. Sundrum. A process for producing printed effects of one colour and more on yarn in crosswound cheeses.

25454. M. N. Pai. An improved process and apparatus for the extraction of cashew nut shell oil.

Alteration of date.

(I)

24075. The claim to priority date 5th June 1936 has been abandoned and the application dated as of 4th June 1937, the date of filing in India.

(II)

24645. The claim to priority date 19th November 1936 has been abandoned and the application dated as of 18th November 1937, the date of filing in India.

(III)

24704. The priority date has been altered from 4th December 1936 to 10th December 1936.

(IV)

25386. Ante-dated 20th December 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

23937. The General Electric Co. Ld. Improvements in or relating to electric discharge lamps comprising luminescent materials. (April 28, 1936). *Mercury vapour lamp having an unclosed sheath between discharge path and luminescent material.*

24052. The Indian Hume Pipe Co. Ld. Improvements in and relating to the external coating of metal structures, such as pipes, tubes, conduits and the like, with concrete or other plastic coating material. *Mould having spacing means at spaced points circumferentially and longitudinally to locate pipe and also one or more feeding apertures.*

24075. The General Electric Co. Ld. Improvements in the sealing of electric conductors into quartz envelopes. *Attaching to each end of a strip of tungstan a stouter lead and placing it in a quartz tube and collapsing the tube to the strip.*

24205. James Mackie & Sons, Ld. Improvements in apparatus for forming rolls of silver of flax, hemp, jute and like materials. (July 13, 1936). *Winding of a new roll started by the engagement with the silver of a forked member moved into and out of operative position.*

24224. Filtration and Water Softening-proprietary, Ld. Improved method of and means for controlling the flow of water and other liquids. *Automatically adjusting speed of transmission means of pumps in accordance with variations in the rate of flow.*

24237. Filtration & Water Softening Proprietary, Ld. Improvements in or relating to filters. (July 23, 1936). *Cleansing filter by causing water flow upwardly through bed and on the surface thereof and terminating flow of surface wash water before upward flow.*

24257. Standard Telephones and Cables Ld. Magnetic amplifiers for amplifying electrical impulses. *Two sets of output circuits each containing a non-liner conducting device.*

24283. Expanded Rubber Co. Ld. Improvements in expanded rubber. *Air free rubber composition treated with inert gas at 150 to 200 atmospheres and heated by steam of 8 to 16 pounds pressure to partially vulcanise the rubber.*

24286. Carkontrol Proprietary Ld. A means for holding steady the brake pedal of an automobile or the like. (August 12, 1936). *Rod with a depression engaged normally by a spring pressed member adapted to ride out upon its longitudinal movement, attached to the brake lever.*

24372. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of azo-dyestuffs insoluble in water. (September 18, 1936). *Diazo-compound of 1 amino 4 nitrilo-benzene substituted in 2—and 5 position with an orthohydroxyaryl carboxylic acid arylamide or a beta ketocarboxylic acid arylamide.*

24385. M. Vogel-Jorgensen. Improvements relating to the preparation of materials by flotation. (September 24, 1936). *Mixing the concentrate obtained by flotation of the finely ground material with the coarse fraction not subjected to flotation.*

24645. James F. Low & Co. Ld., and O. Lambert. Improvements in the driving of the spindles of spinning, twisting and like textile frames. *A belt looped in a vertical plane whose upper flight pressed into driving arrangement and lower flight looped around a tensioning pulley.*

24704. The General Electric Co. Ld. Improvements in heating elements for thermionic cathodes. (December 10, 1936). *Heating element composed of titanate of earth metals.*

24723. Allmanna Svenska Elektriska Aktiebolaget. Improvements in and relating to circuit breakers. *Contact pair within the extinguishing pot opened and closed first.*

24761. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to radio and like receivers. (December 31, 1936). *Having an automatic silencing system so arranged that receiver is silent except when tuned within range of operation of A. F. C.*

24873. The British Tabulating Machine Co. Ld. Improvements in or relating to machines for collating record cards. *Plurality of card hoppers, matching pocket, card feed mechanisms, means for reading the cards and comparing mechanism.*

24875. G. L. Wredden. Improved accumulator cell box. *Rubber pads fixed between ribs moulded on the box.*

24989. The British Ropeway Engineering Co. Ld. Improvements in or relating fo aerial ropeways and the like. *The opposite sides of the bearing members, when being inserted into the hangers, are of different height for facilitating transfer.*

25024. G. Stroher. Improvements in or relating to hair waving apparatus. (August 10, 1937). *Plurality of heaters supplied with low tension current of any required voltage from a transformer fitted with a two way and a multiple contact Switches.*

25028. J. B. Vercruysse and J. Vercruysse. Improvements relating to bicycles and like vehicles propelled by means of pedals or the like. *Supplementary propelling effected by oscillating movements imparted to handle-bars and transmitted to the normal propelling gear.*

25095. Fichtel and Sachs Aktiengesellschaft. Freewheel hubs with back-pedalling brake driven by a motor mounted in the driving wheel. *Re-acting torque is transmitted by annular body of rubber fixed to resilient casing and transmitting portion connected to freewheel brake hub.*

25386. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to radio and like receivers. [Addition to No. 24761]. [Ante-dated December 20, 1937]. *Having an automatic silencing system to arrange that receiver is silent except when turned within range of operation of A. F. C.*

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23733. Mikimoto.
23737. Singer.
23750. Roberts and Watkins.
23776. Vereinigte Glühlamen Und Electricitats Aktiengesellschaft.
23808. The American Rolling Mill Co.
23841. Allmanna Svenska Elektriska Aktiebolaget.
24046. Standard Alcohol Co.
24270. Garewal.
24275. Shiraishi.
24285. International Hydrogenation Patents Co. Ld.
24384. Studien-und Verwertungsgesellschaft mit beschrankter Haftung.
24486. Dowling.
24591. Marconi's Wireless Telegraph Co. Ld.
24641. Bernier.
24661. Shiner.
24678. Watson.
24695. Bolinder's Fabricks Aktiebolag.

Patents Sealed.

23669. Prosthetic Products, Ld.
23763. Arifuddeen.
23810. Gillespie.
23816. Dunlop Rubber Co., Ld.
23840. Sidhwa and Kanga.
23913. Morley.
23915. Laird.
24158. Standard Oil Development Co.
24218. Stewarts & Lloyds Ld.
24262. N. V. Montan Export.
24342. Dr. David.
24347. Honnef.
24531. Ganapath Rao.
24548. Corning Glass Works.
24580. Bennett.
24592. Marconi's Wireless Telegraph Co. Ld.
24612. Dr. C. Otto & Comp. G. m. b. H.
24618. Willis.
24621. Society of Chemical Industry in Basle.
24642. Bernier.

Opposition Proceedings.

(I)

The opposition entered by C. Francorsi to the grant of a patent on application No. 23607 made by P. H. Sidhwa and R. D. Sidhwa and notified in Part II of the *Gazette of India*, dated the 15th January 1938 has been disallowed. The sealing of the patent will be subject to the amendment of the specification.

(II)

The opposition entered by Hermann Nier to the grant of a patent on application No. 24064 made by Hugo Schneider Aktiengesellschaft and notified in Part II of the *Gazette of India*, dated the 5th March 1938 has been allowed and the grant of a patent on the said application has been refused.

(III)

This is an opposition entered by Ehrich & Graetz Aktiengesellschaft to the grant of a patent on application No. 24835 made by Aktiebolaget B. A. Hjorth & Co.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

No. 18629. Braithwaite & Co. (India) Ld.
No. 18629. The Braithwaite Burn and Jessop Construction Co. Ld.

Rectification of the Register of Patents.

Notice is hereby given that an application has been made under Section 64 of the Indian Patents and Designs Act, 1911, for rectification of the Register in respect of patent No. 14245. The application may be inspected free of charge at the Patent Office, and copies thereof may be obtained from the Patent Office on payment of Re. 1 only. Any person desirous of opposing this application should leave a notice on patent Form No. 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, No. 1, Council House Street, Calcutta, on or before the 3rd September 1938.

Renewal Fees Paid.

PATENTS.

9721. Jackson and ors. (To 2nd October 1939).
10575. Western Electric Co. Ld. (To 25th August 1939).
10936. J. Stone & Co. Ld. (To 27th December 1939).
11490. Byrd. and ors. (To 20th July 1939).
12488. The Superheater Co. Ld. (To 22nd September 1939).
12526. Klein and anr. (To 24th August 1939).
12550. Frenkel and anr. (To 6th September 1939).
14571. Coondoo. (To 16th July 1939).
14607. Safety Mining Co. (To 23rd July 1939).
14756. Donaldson Manufacturing Co. Ld. (To 3rd September 1939).
14870. International General Electric Co. Inc. (To 4th October 1939).
14929. Societa Italiana Pirelli. (To 30th October 1939).
16041. Crabtree. (To 3rd August 1939).
16138. Prendergast and ors. (To 22nd September 1939).
16510. Donaldson Manufacturing Co. Ld. (To 3rd September 1939).
17325. Harris. (To 27th August 1939).
17338. Harvey. (To 1st September 1939).
17447. Walmsley and ors. (To 10th October 1939).
18269. The Celotex Co. (To 17th August 1939).
18277. Hansena A. G. (To 17th August 1939).
18339. Aktiebolaget Siefvert & Fornander. (To 7th September 1939).
18396. Electrical Research Products Inc. (To 19th September 1939).
19097. Societe Anonyme d'Augleur-Athus. (To 1st August 1939).
19110. Mathews. (To 4th August 1939).
19117. The Mantle Lamp Co. of America. (To 8th August 1939).
19120. de Schepper (To 21st August 1939).
19157. Hermann Nier. (To 29th August 1939).
19213. Zublin. (To 19th September 1939).
19258. Rose and anr. (To 26th September 1939).
19292. The General Electric Co. Ld. (To 6th September 1939).
19293. The General Electric Co. Ld. (To 6th September 1939).
19645. Maxwell. (To 11th August 1939).
20060. The General Electric Co. Ld. (To 5th September 1939).
20088. Hayden and anr. (To 17th July 1939).
20089. Mussett. (To 26th July 1939).
20134. Rixen. (To 1st August 1939).
20236. Poulin. (To 18th September 1939).
21032. Herbst. (To 23rd July 1939).
21069. Universal Oil Products Co. (To 6th August 1939).
21070. Lock Joint Pipe Co. (To 6th August 1939).
21094. Nier. (To 18th August 1939).
21110. Lejbowicz. (To 20th August 1939).
21155. Imperial Tobacco Co. (of Great Britain & Ireland) Ld. (To 8th September 1939).
21181. Pirelli-General Cable Works Ld. (To 9th October 1939).
21250. The General Electric Co. Ld. (To 5th September 1939).
21352. Morton. (To 10th November 1939).
21545. Zublin. (To 25th September 1939).
21546. Zublin. (To 25th September 1939).
21682. Fried Krupp Grusonwerk Aktiengesellschaft. (To 7th September 1939).
21980. James F. Low & Co., Ld., and anr. (To 27th August 1939).
22064. Barr & Stroud Ld. (To 7th August 1939).
22062. Naamlooze Vennootschap de Batasfsche Petroleum Maatschappij. (To 2nd August 1939).
22115. The General Electric Co. Ld. (To 12th September 1939).
22150. The Projectile & Engineering Co. Ld. (To 4th September 1939).
22156. The General Electric Co. Ld. (To 7th September 1939).
22172. The Superheater Co. Ld. (To 11th September 1939).
22197. Electric and Musical Industries, Ld. (To 18th September 1939).
22202. Tootal Broadhurst Lee Co. Ld. (To 19th September 1939).
22293. Tootal Broadhurst Lee Co. Ld. (To 24th October 1939).

Cessation of Patents.

10236. Thorsby.
15832. The Superheater Co. Ld.
17739. Sutcliffe.
18875. I. M. K. Syndicate, Ld.
19794. Hayes-Gratze.
19802. Nublat.
20014. Textile Patent and Process Co.
20742. Imperial Chemical Industries Ld.
20760. Robertson.
20766. Franco Wyoming Oil Co.
20769. Sir W. G. Armstrong Whitworth & Co. (Engineers) Ld., and anr.
20770. Sir W. G. Armstrong Whitworth & Co. (Engineers) Ld., and anr.
20773. Von-Orelli and anr.
20776. Hund and anr.
20777. Harris and anr.
20781. Rai Chaudhury.
21777. Frost.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets :—

Class 3. No. 63347. Dunlop Rubber Co. (India) Ld., of No. 57-B., Free School Street, Calcutta, British India. May 25, 1938.

Class 13. No. 63455. The Standard Mills Co. Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. June 24, 1938.

Class 13. Nos. 63456 to 63460. E. D. Sassoon & Co. Ld., of E. D. Sassoon Building, Ballard Estate, Bombay, British India. June 25, 1938.

Class 13. Nos. 63461 to 63475. The Calico Printers' Association, Ld., of St. James' Buildings, Oxford Street, Manchester, England. June 27, 1938.

Class 14. No. 63439. The Ahmedabad Manufacturing and Calico Printing Co. Ld. of Ahmedabad, Bombay Presidency, British India. June 20, 1938.

Class 14. Nos. 63476 to 63480. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. June 27, 1938.

Extension of Copyright in Designs.

Copyright in the following design has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of the entry is the date of registration of the design included in the entry :—

Class 1. No. 57216. The National Type Foundry, and Hucharangappanavar Rangaswamiah, Managing Proprietor of the National Type Foundry, both of Nos. 10 and 11, Manager Ranganna's Street, Manavarthepet, Bangalore City, Mysore State, India. September 15, 1933.

Class 1. No. 57753. Geo. H. Lawrence Ld., of "Lurel Works", Nursery Street, Sheffield, England. February 6, 1934. (Reciprocity Date November 23, 1933).

Class 5. No. 57164. Spencer & Co. Ld., of Mount Road, Madras, British India. August 29, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library.
MADRAS	Record Office, Egmore.
Do.	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa.
POONA	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary Home and Political Department, Government of Burma
WASHINGTON (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON.	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

NOTIFICATION.

Calcutta, the 14th July 1938.

No. 1803-P.—Mr. R. K. Vaish, Examiner of Patents, is granted an extension of leave on average pay for fourteen days in continuation of the leave on average pay already granted to him.

K. RAMA PAI,

Controller of Patents and Designs.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

New Delhi, the 20th July 1938.

The following is a statement of the cash balances of the Central Government on the last day of June 1938 :—

	Rs.
(1) At the Reserve Bank of India in India	12,57,87,000
(2) At treasuries in India	18,65,000
(3) In England (Sterling converted at 18*d*. the Rupee)	78,31,000
TOTAL	13,54,83,000

M. SUBRAHMANYAN,

Accountant General, Central Revenues.

OFFICE OF THE ACCOUNTANT-GENERAL, POSTS AND TELEGRAPHS.

New Delhi, the 20th July 1938.

Statement showing the amounts realised and paid in each of the Postal Circles on account of Post Office 5-Year Cash Certificates, during May 1938, and the amounts outstanding at the end of the month.

[In thousands of rupees.]

Name of Postal Circle.	Cash realised from sales.	Amount repaid. Principal.	Amount of principal outstanding (including adjustments upto March Supplementary accounts for 1937-38).
	Rs.	Rs.	Rs.
Bengal & Assam	23,72	29,72	11,04,13
Bihar & Orissa	4,82	4,84	2,28,26
Bombay	37,01	47,44	16,00,23
Central	8,19	9,55	4,15,83
Sind & Baluchistan	5,96	6,80	2,60,30
Punjab	22,63	27,20	11,11,20
United Provinces	16,44	19,27	8,31,84
Madras	6,27	9,32	2,96,96
Burma	—1	54	1,11,70
Total, May 1938	1,25,03	1,54,68	59,60,45
Total, May 1937	1,06,06	1,42,61	63,96,80
Total, May 1936	1,53,45	1,46,75	66,04,29

K. R. S. RAU,

Accountant-General, Posts and Telegraphs.

IMPERIAL BANK OF INDIA.

NOTICES.

Calcutta, the 12th July 1938.

With effect from the 16th May 1938, the Sub-Pay Office of the Bank at Bahawalnagar (in Bahawalpur State) has been converted into a Pay Office (under Abohar Branch) under the charge of Mr. Des Raj Chopra, Clerk.

A Pay Office of the Bank, under Ludhiana Branch, has been opened at Mandi Phul (in Nabha State on the 16th May 1938, under the charge of Mr. Jamna Das Gupta, Clerk.

A Pay Office of the Bank, under Ludhiana Branch, has been opened at Jaitu (in Nabha State) on the 30th May 1938, under the charge of Mr. Makhan Lal Taneja, Clerk.

The following appointments on the Bank's Staff are hereby notified:—

Mr. Makhan Lal, Taneja, Clerk, was in charge of Mandi Phul Pay Office (in Nabha State from the 18th to the 20th May 1938, inclusive, *vice* Mr. Jamna Das Gupta.

Mr. A. K. Palit, Staff Assistant, was in charge of New Delhi Branch from the 14th to the 17th June 1938, inclusive, *vice* Mr. A. N. Bell.

H. J. FITZ-PATRICK,

Offg. Secretary & Treasurer.

Bombay, the 14th July 1938.

The following appointment on the Bank's Staff is hereby notified:—

Mr. F. H. Moorhouse to officiate as Deputy Secretary and Treasurer, Bengal Circle, as from the close of business on the 11th July 1938, *vice* Mr. A. W. Cameron.

W. LAMOND,

Managing Director.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona, 5, the 12th July 1938.

No. G.-18977/P.-115.—Mr. C. Ramaswamy, M.A. (Hons.), (Madras), Assistant Meteorologist, Calcutta, has been granted leave on average pay for three months and twelve days with effect from the 16th June 1938. He is transferred to the Meteorological Office, Poona, on the expiry of the leave.

No. G.-18978/P.-115.—Mr. U. N. Ghosh, M.Sc. (Cal.), Professional Assistant, Dum Dum, has been appointed to officiate as Assistant Meteorologist *vice* Mr. C. Ramaswamy granted leave.

Poona, 5, the 13th July 1938.

No. G.-19094/P.-85.—Dr. K. R. Ramanathan, M.A., D.Sc. (Madras), Meteorologist, Bombay, has been granted leave on average pay for seventeen days with effect from the afternoon of the 29th June 1938.

Poona, 5, the 15th July 1938.

No. G.-19286/P.-98.—Dr. N. K. Sur, D.Sc. (Allahabad), Meteorologist, Poona, is granted an extension of leave on average pay for sixteen days with effect from the 22nd July 1938, with permission to affix Sunday, the 7th August 1938, in continuation of the leave granted to him in this Department Notification No. G.-15935/P.-98, dated 10th June 1938.

C. W. B. NORMAND,

Director General of Observatories.

SURVEY OF INDIA.

List of maps published during the month of June 1938.

GEOGRAPHICAL, GENERAL AND SPECIAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Description.	Year of survey.	Date of edition.	Number of sheets.	Size per sheet in inches.	Price.	Remarks.
					Rs. as.	
SPECIAL MAPS.						
(Scale 8 inches to 1 mile.)						
* Simla Guide Map . . .	..	1938	1	43×28½	2 8	Stock copies surprinted with additional information.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Index Number.	District, etc.	Year of survey.	Date of current edition.	Price.	Remarks.
				Rs. as.	
	1. HALF-INCH MAPS.				Underlining for Map Catalogue :—
	(Scale 1 inch to 2 miles.)				(a) Double red line.
$39\frac{F}{NW}$	Parts of Loralai and Zhob Districts.	1908-09	1938	1 8	Second Edition.
$65\frac{N}{NE}$	Parts of Vizagapatam, Ganjām and Koraput Districts.	1933-34	1937	1 8	(a)
	2. ONE-INCH MAPS.				
	(Scale 1 inch to 1 mile.)				
$34\frac{N}{14}$	Parts of Loralai, Sibi and Zhob Districts.	1908-09	1938	1 8	Second Edition. Gridded.
$39\frac{K}{12}$	Parts of Dera Ghāzi Khān and Muzaffargarh Districts and Bahāwalpur State.	1936-37	1937	1 8	Third (Revised) Edition.
$44\frac{E}{9}$	Parts of Gujrānwāla and Shekhūpura Districts.	1910-11	1937	1 8	Second (Revised) Edition.
$44\frac{E}{13}$	Ditto.	1910-11 (Corrected 1930.)	1937	1 8	Ditto.
†Part of $45\frac{H}{14}$ (Part of C.I. R. Survey Sheet No. 145).	Udaipur (or Mewār) State .	1877-78	1938	1 0	Reprinted with additions and corrections in black only.

*This supersedes item 49 of Appendix 4 of the Map Catalogue.

†Complimentary copies of this map will not to be issued.

List of maps published during the month of June 1938.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta—*contd.*

Index Number.	District, etc.	Year of survey.	Date of current edition.	Price.	Remarks.
				Rs. As.	
	2. ONE-INCH MAPS -*contd.* (*Scale 1 inch to 1 mile.*)				Underlining for Map Catalogue :— (*a*) Double red line.
*53 F/8	Parts af Ambāla, Karnāl and Sahāranpur Districts and Punjab Hill States.	1912-13 1935-36	1937	1 8	Third (Revised) Edition.
*54 K/6	Parts of Bundelkhand Agency and Narwar and Jhānsi Districts.	1924-25	1938	1 8	Second Edition.
72 O/7	Parts of Bhāgalpur, Purnea and Santāl Parganas Districts.	1936-37	1937	1 8	(*a*)
73 G/5	Parts of Bonai and Keonjhar States.	1923-24	1938	1 8	Third Edition.
†92 C/5	Part of Myitkyina District .	1919-20	1938	1 8	Second Edition.

*Gridded copies of these maps can be supplied at annas three per copy extra.

†Copies of this map are obtainable from the Curator, Government Book Depot, Rangoon, Burma.

Stock copies of the following maps were gridded during the month :—
43 H/3 and 58 B/1.

The following were also published during the month and are obtainable from the Director, Geodetic Branch, Survey of India, Dehra Dūn :—

1. Geodetic Report 1937.
2. Secondary Levelling Pamphlet No. 69 (Gestetnered).
3. Levelling Pamphlet No. 43.
4. List of Publications.

C. G. LEWIS, Brigadier,
Surveyor General of India.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 13th July 1938.

No. 1640.—Mr. B. T. Wyatt, V.D., Extra Assistant Superintendent, is granted under the Fundamental Rules leave on average pay for 4 months from the 6th July 1938.

C. G. LEWIS, Brigadier,
Surveyor General of India.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI.

NOTIFICATION.

New Delhi, the 16th July 1938.

No. 5389.—Dr. S. V. Desai, Second Assistant Agricultural Bacteriologist, is granted leave on average pay for three months and twenty-three days combined with leave on half average pay for three days from 25th July 1938.

B. VISWA NATH,
Director.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 23rd July 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATIONS.

New Delhi, the 16th July 1938.

No. E. B.-15.—With reference to this office Notification No. E. B.-15, dated the 20th December, 1937, Mr. S. M. Ally, Aerodrome Officer, was permitted to rejoin duty at Madras on the forenoon of the 5th June, 1938. The unexpired portion of his leave is hereby cancelled.

No. E. B.-15 (i).—Mr. G. S. Subramaniam, Aerodrome Officer, Madras, was granted earned leave for 10 days with effect from the forenoon of the 17th June 1938 and posted to the office of the Chief Aerodrome Officer, Drigh Road, Sind, on the expiry of his leave.

No. E. B.-15.—Mr. D. M. Langford, Assistant Aircraft Inspector, attached to the office of the Director of Civil Aviation in India is granted leave on average pay for 30 days with effect from the 20th August 1938 or the date from which it is actually taken.

F. TYMMS,

Director of Civil Aviation in India.

INDIAN COAL GRADING BOARD.

NOTIFICATION.

Calcutta, the 13th July 1938.

No. 2.—In the Indian Coal Grading Board's Notification No. 1, dated the 27th June 1938, please read "for two years ending 28th February 1940" instead of "for two years ending 28th February 1938".

J. R. HARRISON,

President,

Coal Grading Board.

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 15th July 1938.

No. 6523-C. T./2-E./6.—Mr. P. C. Dey, M.A. (Com.), Income-tax Officer, Railways and Miscellaneous Salaries Circle, Calcutta, (on leave), is allowed under Fundamental Rule 81 (b) (ii) an extension of leave on average pay for one month and twelve days with effect from the 19th June, 1938 in continuation of leave already granted in my order No. 4193-C. T./2-E./6, dated the 8th June, 1938. He is permitted to affix Sunday the 31st July, 1938 to his leave.

S. N. BANERJEA,

Commissioner of Income-tax, Bengal.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 14th July 1938.

No. 38-An.—In modification of this Department Notification No. 22-An., dated the 2nd May 1938, Mr. S. Jayasankar, an officer in Class II of the superior staff of the Military Accounts Department, is granted privilege leave for the period from the 19th April 1938 to the 18th June 1938 inclusive, with permission to prefix the Easter Holidays from the 15th to the 18th April 1938.

Simla, the 16th July 1938.

No. 1-(a)-An.—Mr. J. C. Chaklanobis, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, is granted combined leave on medical certificate for eight months from the 16th June 1938, consisting of privilege leave for 2 months and 4 days and furlough on full average salary for the remaining period.

No. 1-(b)-An.—Mr. Meghraj Tuteja, an Accountant in the office of the Controller of Military Accounts, Eastern Command, was appointed to officiate as Deputy Assistant Controller of Military Accounts in that office from the 16th June 1938.

No. 4-An.—Mr. A. K. Biswas, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions, is granted privilege leave for two months and 24 days from the 15th July 1938.

Simla, the 20th July 1938.

No. 98-An.—Mr. Brij Narayan, Deputy Controller of Military Accounts (Administration), Lahore, is granted an extension of combined leave for 2 months with effect from the 14th July 1938 consisting of privilege leave for 12 days and the balance furlough on full average salary.

J. PARLBY,

Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

Simla, the 15th July 1938.

No. S.-107/10.—Mr. Saroj Kumar Kanjilal, Assistant Divisional Engineer, Telegraphs, in charge of the Lucknow Division is granted earned leave for 31 days with effect from the 11th July 1938 or the date of his relief.

G. V. BEWOOR,

Director-General, Posts and Telegraphs.

HIGH COURT OF JUDICATURE AT LAHORE.

NOTIFICATION.

CORRIGENDUM.

Lahore, the 13th July 1938.

No. 201-Genl./XVII-1.—In the High Court Notification No. 371-Genl./XVII-1, dated the 17th December 1937, between the words "in the Punjab" and the words "and Delhi" insert the words "except at Simla".

By order of the Judges,

K. C. WEBB,

Registrar.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 16th July 1938.

No. A. E.-780/1.—Mr. E. H. N. Lowther, Superintendent, senior scale, Transportation (Traffic) and Commercial Department, has been appointed to officiate as Divisional Superintendent with effect from the 7th July 1938 forenoon.

No. A. E.-780/2.—Mr. K. N. Ranga Rao, Assistant Electrical Engineer, junior scale, has been appointed to officiate as District Electrical Engineer, senior scale, with effect from the 3rd June 1938 forenoon.

No. A. E.-780/3.—Mr. W. H. G. McKenzie, Assistant Printing Superintendent, junior scale, has been appointed to officiate as Printing Superintendent, with effect from the 2nd June 1938 forenoon.

No. A. E.-780/4.—Mr. K. P. Modwell, Assistant Executive Engineer, junior scale, has been appointed to officiate as Superintendent (Staff), senior scale, with effect from the 4th June 1938 forenoon.

No. A. E.-780/5.—Mr. N. C. Kapoor, Assistant Superintendent, junior scale, Transportation (Traffic) and Commercial Department, has been appointed to officiate as Superintendent, senior scale, in that department with effect from the 7th April 1938 forenoon. This cancels Notification No. A. E.-780/5, dated the 4th June 1938, published in the *Gazette of India*, Part II, dated the 11th June 1938.

No. A. E.-780/6.—Mr. R. Mair, Deputy Chief Engineer (Provisional), has been appointed to officiate as Divisional Superintendent with effect from the 9th May 1938 forenoon. This cancels Notification No. A. E.-780/2, dated the 23rd May 1938, published in the *Gazette of India*, Part II, dated the 28th May 1938.

Calcutta, the 18th July 1938.

No. A. E.-2001.—Mr. L. T. Madnani, Assistant Superintendent, junior scale, on probation, Mechanical Engineering and Transportation (Power) Department of the Superior Revenue Establishment of State Railways, at present employed on the East Indian Railway, has been confirmed in that appointment with effect from the 4th July 1938.

J. A. BELL,

General Manager.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 13th July 1938.

No. 77.—Mr. L. E. Brock, Divisional Superintendent, is granted leave on average pay for two months with effect from 26th July 1938, or subsequent date of relief.

J. MACKINNON,

General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 19th July 1938.

No. 21620-S./2180.—Mr. S. K. Mukerjee, Assistant Traffic Manager (Junior Scale), has been appointed to officiate as Divisional Traffic Manager in the Senior Scale with effect from 10th May 1938, instead of 16th May 1938, as previously notified.

Mr. C. M. R. Netscher, Senior Commercial Inspector, has been appointed to officiate as Assistant Traffic Manager in the Lower Gazetted Service with effect from 10th May 1938, instead of 16th May 1938, as previously notified.

J. H. F. RAPER,

General Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, JULY 30, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage. Rs.	A.	P.	Additional postage for supplies out of India. Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
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Parts I, II-A and IV	29	0	0	7	8	0
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Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

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Extraordinary issues	Price fixed for each issue individually		

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Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

No. A. E.-780/6.—Mr. R. Mair, Deputy Chief Engineer (Provisional), has been appointed to officiate as Divisional Superintendent with effect from the 9th May 1938 forenoon. This cancels Notification No. A. E.-780/2, dated the 23rd May 1938, published in the *Gazette of India*, Part II, dated the 28th May 1938.

Calcutta, the 18th July 1938.

No. A. E.-2001.—Mr. L. T. Madnani, Assistant Superintendent, junior scale, on probation, Mechanical Engineering and Transportation (Power) Department of the Superior Revenue Establishment of State Railways, at present employed on the East Indian Railway, has been confirmed in that appointment with effect from the 4th July 1938.

J. A. BELL,

General Manager.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 13th July 1938.

No. 77.—Mr. L. E. Brock, Divisional Superintendent, is granted leave on average pay for two months with effect from 26th July 1938, or subsequent date of relief.

J. MACKINNON,

General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 19th July 1938.

No. 21620-S./2180.—Mr. S. K. Mukerjee, Assistant Traffic Manager (Junior Scale), has been appointed to officiate as Divisional Traffic Manager in the Senior Scale with effect from 10th May 1938, instead of 16th May 1938, as previously notified.

Mr. C. M. R. Netscher, Senior Commercial Inspector, has been appointed to officiate as Assistant Traffic Manager in the Lower Gazetted Service with effect from 10th May 1938, instead of 16th May 1938, as previously notified.

J. H. F. RAPER,

General Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, JULY 30, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0
Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

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Parts I-A, IV or V each	0	3	0
Extraordinary issues	Price fixed for each issue individually		

There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 30th July 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

July 16, 1938.

25455. The General Electric Co. Ld. Improvements in electric circuit arrangements for operating discharge devices. (April 8, 1937). [Divisional Date February 25, 1938].

July 18.

25456. Hatim Tai. Cycle-car.
25457. Gutehoffnungshutte Oberhausen Aktiengesellschaft. An improved process and apparatus for the removal of resin-formers, resins, and may be of aggressive sulphur for aromatic or aliphatic hydrocarbons more particularly for hydrocarbons to be used as motor fuels.
25458. A. Christiansen. Improvements in roses or perforated nozzles.
25459. Kalle & Co. Aktiengesellschaft. Improvements in or relating to apparatus for making photo copies.
25460. Imperial Chemical Industries Ld. Improvements in or relating to the bleaching of textiles. (July 30, 1937).
25461. Societe De Prospection Electrique, Procedes Schlumberger. Process and devices for the determination of the beds traversed by a drill hole not filled with an electrically conductive liquid.
25462. Societe De Prospection Electrique, Procedes Schlumberger. Method and devices for determining the beds traversed by a drill hole.
25463. The General Electric Co. Ld. Improvements in high-pressure metal vapour electric discharge devices.
25464. Houdry Process Corporation. Catalysis.
25465. H. Bottcher and F. Bechtold. Improvements in and relating to burners.

July 19.

25466. Imperial Chemical Industries Ld. Improvements in and relating to apparatus for treating gases with liquids.
25467. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to tuning control systems for radio receivers and the like. (July 20, 1937).

July 20.

25468. P. King-Morgan. Improvements in light reflectors. (July 21, 1937).
25469. The General Electric Co. Ld. Improvements in or relating to high frequency oscillators.
25470. The General Electric Co. Ld. Improvements in heavy alloys.

July 21.

25471. S. Jamaluddin. Hand operated springless self-closing water cock.
25472. Dunlop Rubber Co. (India) Ld. Improvements in double-twist apparatus for yarn. (July 23, 1937).
25473. Pilkington Brothers Ld. Improved process and apparatus for tempering tubular glass articles.

July 22.

25474. R. B. B. Amin. Improvements in or relating to paper cutting machines.
25475. Ercole Marelli & C., S. A. Charging plant for electrical storage batteries.
25476. Societa Anonima Eternit, Pietra Artificiale. Sleepers for railways, tramways and the like of cement-asbestos, with metallic reinforcements. [Addition to No. 23249].

Alteration of Date.

(I)

25250. Ante-dated 2nd August 1937 under Section 5.

(II)

25251. Ante-dated 2nd August 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24162. The General Electric Co. Ld. Improvements in or relating to metallic electric conductors sealed through quartz. (June 30, 1936). *Oxidisable refractory metal coated with layer of refractory non-oxidisable metal is sealed in quartz tube by external heating.*

24234. J. V. Martinho. Process for the conservation of citric fruit, bananas, meat, fish, and game or the like by dry heat. *Subjecting to a current of dry hot air at 50°C. alternating with a cold current.*

24238. U. Pomilio. Improvements in or relating to processes and apparatus for the extraction of cellulosic fibres from vegetable material. *Treating with alkali at temperature 80° to 100° and then with chlorine at 65°C.*

24242. B. Nier. Bottom plates of containers and particularly oil containers of lamps or lanterns. *Depressions in the bottom plate have their elevated parts larger than their months.*

24363. The General Electric Company, Limited. Improvements in or relating to refractory glasses. (August 26, 1937). [Addition to No. 21083]. *Glass as claimed in 21083 containing less than 7 per cent of Boric acid and 5 to 20 per cent. of Zinc oxide.*

24400. The P. & M. Co. (England), Ltd. An improved rail greasing appliance. (September 8, 1936). *Plunger of grease actuated directly by passing wheel, grease container and greasing plate.*

24488. Y. P. Varshney. Manufacture of Alumina and cements from waste slags obtained in the iron and steel industry. *Extracting slag with alkali and heating residue with limestone in a cement kiln.*

24582. Dr. H. D. Sen and K. C. Joshi. An improved process for the manufacture of an insoluble road composition from molasses. *Molasses, asphalt, coal tar and acid.*

24653. The Thermolux Glass Co. Ld. Improvements in or relating to the production of threads. (March 25, 1937). *Preparing a lap of fibres, stretching the lap transversely and simultaneously or subsequently subjecting the stretched lap to twisting.*

27473. J. P. Beyer. Improvements in and relating to processes for refining mineral and vegetable oils and fats. *Treatment successively with solutions of alkali, alkali silicate and alum.*

24793. Ehrich and Graetz Aktiengesellschaft. Improvements in or relating to the feeding of liquid fuel to incandescent lamps, stoves and the like. *By means of fuel pump using hot waste gases as source of power.*

24822. The Indian Hume Pipe Co., Ld. Apparatus for manufacturing reinforcing cages for concrete pipes culverts, columns and the like. *Feeding continuously a multiple parallel longitudinal and spirally winding transverse reinforcements and welding at their joints by circumferentially moving electrodes.*

24842. K. P. Paul. A machine for manufacturing or punching washers. *Feeding and delivering rollers for sheet material, and block with punches and die having corresponding holes.*

24893. Monotype Machine (Colonial Patents) Syndicate Ld. Improvements in or relating to typographical composing machines. (May 13, 1937). *Record-strip feeding mechanism, locking device and release device.*

24947. The General Electric Co. Ld. Improvements in electric discharge lamps (February 16, 1937). *Comprising a plurality of discharge devices, in which first is of the type having Zinc silicate excited by mercury discharge and the second neon discharge.*

25052. J. J. Seip. Improvements in clarifiers for separating solids from liquids by sedimentation. (November 9, 1937). *Liquid passing downwardly through vertical discharge zone having a downwardly increasing horizontal cross section.*

25250. National Carbon Co. Inc. Air-depolarized cell and electrodes therefor. (June 28, 1937). [Ante-dated August 2, 1937]. *Cathode has dry surface portion in the form of cavities in free communication with atmosphere.*

25251. National Carbon Co. Inc. Air-depolarized cell and electrodes therefor. (June 28, 1937). [Ante-dated August 2, 1937]. *Porous carbon cathode with air surface portion treated with paraffin oil, nitrobenzene, etc.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23950. The Gaurdite Corporation.

24022. Broadfield.

24106. Callenders' Cable and Construction Co. Ld.

24142. Pross and Baldus.

24182. Marconi's Wireless Telegraph Co. Ld.

24271. Shrimati Rup Kaur.

24281. Ridley.

24315. I. G. Farbenindustrie Aktiengesellschaft.

24403. Office General De La Cinematographie Francaise and Blum.

24481. Ateliers Neyret-Beylier & Piccard-Pictet.

24614. Freeman.

24705. The General Electric Co. Ld.

24741. Dunlop Rubber Co. (India) Ld.

24744. Ajit Singh.

24771. Pilkington Brothers Ld.

24813. Binny & Co. (Madras) Ld.

24860. Burn & Co. Ld. and Chestney.

24889. Societe de Prospection Electrique, Procedes Schlumberger.

24897. Revri.

24911. L. Gardner & Sons Ld.

24922. Paul.

24928. Watson.

24941. Ahmad.

24943. Roy and Marklew.

24954. McWilliam, Goodman and McLeod & Co. Ld.

24977. Baksh.

24978. McWilliam, Goodman and McLeod & Co., Ld.

24985. H. A. Brassert & Co. Ld.
24996. The Minster Linen Process Co. Ld.
25005. Societe D'Etudes Et Applications Industrielles.
25010. Seailles.
25014. McWilliam, Goodman and McLeod & Co. Ld.
25030. British Smokeless & Oil Fuels Ld.
25031. Fraser and Douglas Fraser & Sons Ld.
25218. Pomilio.
25219. Pomilio.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23552. Kadenacy and Armstrong Whitworth Securities Company Limited.
23634. Universal Oil Products Co.
23772. Auto Union A-G.
24036. Longinotti.
24061. du Roy de Blicquy.
24151. Dr. Bekk & Kaulen Chemische Fabrik G. m. b. H.
24272. International General Electric Co. Inc.
24273. International General Electric Co. Inc.
24284. Swiss Lamps and Hardware Co. Ld.
24310. E. I. Du Pont De Nemours and Co.
24406. Kansara.
24434. Shackles Proprietary Limited.
24435. Calender's Cable and Construction Company Limited.
24489. Dr. C. Otto & Comp. G. m. b. H.
24490. Societa' Anonima Manifattura di Altessano.
24530. "Pertrix" Chemische Fabrik Aktiengesellschaft.
24570. Society of Chemical Industry in Basle.
24610. Dunlop Rubber Go. (India) Ld.
24611. Dunlop Rubber Co. (India) Ld.
24637. Lodetti, Negrini and Sbarberi.
24638. Calender's Cable and Construction Co. Ld.
24652. Harbord and Harbord.
24658. Hugo Schneider Aktiengesellschaft.
24665. Honda.
24673. Davidson & Co. Ld.
24677. Jeffcock.
24697. The Franco-British Electrical Co. Ld. and Brackensey.
24698. Non-Drip Measure Co. Ld., Berwick and Berwick.
24726. The Burmah Oil Co. Ld.
24727. Society of Chemical Industry in Basle.
24732. Universal Oil Products Co.
24755. Le Neve Foster.
24964. I. G. Farbenindustrie Aktiengesellschaft.

Patents Sealed.

23588. Government Central Press.
23589. Government Central Press.
23725. Stronach.
23732. The British Tabulating Machine Co. Ld.
23758. E. I. Du Pont de Nemours and Co.
23847. I. G. Farbenindustrie Aktiengesellschaft.
23879. Woodward.
24111. Elastic Stop Nut Corporation.
24388. Renck.
24408. Aagaard.
24413. Dr. Rohm.
24423. Hoffmann.
24462. Saunders and Coveny.
24471. I. G. Farbenindustrie Aktiengesellschaft.
24500. Naik and Shirgaokar.
24616. Gresham & Craven Ld.
24625. The American Rolling Mill Co.
24633. Monro.
24663. Pilkington Bros. Ld.
24671. Ruhrchemie Aktiengesellschaft.
24679. Universal Oil Products Co.

Amendment Proceedings.

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Whitelegg & Rogers Limited, of Grand Buildings, Trafalgar Square, London, W. C. 2., England, seek leave to amend the application and the specification of their patent application No. 23916. Any person desirous of opposing the said application should, at any time within three months from the date of this *Gazette*, give notice of his intention to do so in the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta. The proposed amendments are as follows :—

In the application—

For the heading, "Form No. 1AC. Application for patent of addition when the true and first inventor is not a party to the Application Section 15A." *read* "Form No. 1A. Application for patent when the true and first inventor is not a party to the Application Section 3."

Delete paragraph IV and renumber paragraphs V and VI as IV and V respectively.

In the prayer clause, *insert* a full stop after the word "invention" and *delete* the words "and request that the term limited in such further patent for the duration thereof be the same as that of the original patent, or so much of that term as is unexpired."

In the printed specification—

Page 1—

Delete "[Addition to No. 17856]" appearing below the serial number and date of the application.

Page 1—

Line 3, *delete* "our".

Line 28, *for* the word "parent" *read* "prior."

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

23172. Austral Cabinet Co. Ld.

Renewal Fees Paid.

PATENTS.

9605. Minimax Ld. (To 20th August 1939).
10624. Minimax Ld. (To 15th September 1939).
11460. Cosby. (To 21st August 1939).
11616. Sheffield and anr. (To 31st August 1939).
12481. Guest Keen & Nettlefolds Ld. (To 9th August 1939).
12482. Guest Keen & Nettlefolds Ld. (To 9th August 1939).
12498. Simmons. (To 16th August 1939).
13513. The Corporation of I. G. Farbenindustrie Aktiengesellschaft. (To 8th August 1939).
13514. Lampen-und Metallwarenfabriken R. Ditmar Gebruder Brunner A. G. (To 8th August 1939).
16051. Sreemati Siba Kali Debi. (To 22nd July 1939).
16517. The Asiatic Petroleum Co. Ld. (To 18th September 1939).
17192. Robinson. (To 3rd October 1939).
17321. Junkers. (To 25th August 1939).
17363. Freyssinet. (To 8th September 1939).
18321. Matthews. (To 31st August 1939).
18406. Friedmann. (To 5th October 1939).
18665. Claude-Lumiere, Societe Anonyme pour les Applications des Gaz Rares a la Lumiere, Procedes Georges Claude. (To 2nd September 1939).
19201. Hermann Nier. (To 14th September 1939).
19715. H. H. Robertson Co. (To 18th August 1939).
20063. Bongrand and anr. (To 29th July 1939).
20105. Brodie and ors. (To 22nd July 1939).
20163. Shepherd. (To 14th August 1939).
20211. Shepherd. (To 4th September 1939).
21046. Brandwood. (To 26th July 1939).
21131. I. G. Farbenindustrie Aktiengesellschaft. (To 28th September 1939).
21184. Ditchburn. (To 9th October 1939).
21204. Sevellec. (To 30th October 1939).
21209. Naamlooze Vennootschap Bataafsche Petroleum Maatschappij. (To 24th September 1939).
21218. Remfry & Son. (To 29th September 1939).
21252. von Orelli. (To 1st August 1939).
21985. Smith. (To 2nd November 1939).
21994. The Chloride Electrical Storage Co. Ld. (To 16th August 1939).
22020. Ranney Water Collector Corporation. (To 23rd July 1939).
22081. I. G. Farbenindustrie Aktiengesellschaft. (To 8th September 1939).
22096. Duplex Totalisators Proprietary Ld. (To 13th August 1939).
22257. Ricardo. (To 19th October 1939).
22285. B. Laporte Ld. and anr. (To 26th October 1939).
23150. Ranney Water Collector Corporation. (To 23rd July 1939).

Cessation of Patents.

9200. Alexander.
13172. National Metal and Chemical Bank Ld.
14277. Dieden.
15627. I. G. Farbenindustrie Aktiengesellschaft.
15809. William Hunt and Sons, The Brades Ld.
16913. Siegener Eisenbahubedarf Aktiengesellschaft.
17945. Seiferth.
18141. Gresham and anr.
18870. Ferodo Ld. and anr.
20784. Mote.
20787. Koela Producer-Gas Plant Co. Ld.
20793. Rayner.
20800. Thakur.
21772. Mackenzie and anr.

Restoration Proceedings.

Notice is hereby given that an application has been made under section 16 of the Indian Patents and Designs Act, 1911, for the restoration of the following patent :—

16002. Walter Peyinghaus.

The patent ceased on the 10th May 1937 owing to the non-payment of the renewal fee within the prescribed time, and its cessation was notified in Part II of the *Gazette of India*, dated the 21st August 1937. Any person may give notice of opposition to restoration by leaving patent form No. 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, 1, Council House Street, Calcutta, on or before the 10th September 1938.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets :—

Class 13. Nos. 63415 and 63416. The Bombay Dyeing and Manufacturing Co Ld., of "Neville House" Graham Road, Ballard Estate Bombay, British India. June 14, 1938.

Class 13. Nos. 63481 to 63487. The Bombay Dyeing and Manufacturing Co. Ld., of "Neville House", Graham Road, Ballard Estate, Bombay, British India. June 27, 1938.

Class 13. No. 63489. Toyo Menka Kaisha Ld., of No. 5, Royal Exchange Place, Calcutta, British India. June 28, 1938.

Class 13. Nos. 63491 to 63493. The Mafatlal Fine Spg. & Mfg. Co. Ld., of Navsari, Baroda State. June 30, 1938.

Class 13. No. 63506. The Standard Mills Co. Ld., of 29, Rustom Building, Churchgate Street, Fort Bombay, British India. July 2, 1938.

Class 13. Nos. 63507 to 63515. The Calico Printers' Association Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 4, 1938.

Class 14. Nos. 63516 to 63519. The Calico Printers' Association Ld., of St. James's Buildings, Oxford Street, Manchester, England, July 4, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 1. No. 57084. Jatindra Nath Dass, of 17/3, Raja Rajballab Street, Calcutta, British India. August 23, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . . . Indian Institute of Science.

Do. . . . Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.

BARODA . . . Department of Commerce and Industries.

BERLIN . . . The Reich Patent Office.

BOMBAY . . . Office of the Director of Industries.

CALCUTTA . . . Patent Office, No. 1, Council House Street.

CAWNPORE . . . Harcourt Butler Technological Institute.

DACCA . . . Sadar Registration Office.

DELHI . . . Office of the Superintendent of Industries.

LAHORE . . . Punjab Public Library.

LUCKNOW . . . Amiruddaula Public Library.

MADRAS . . . Record Office, Egmore.

Do. . . . College of Engineering.

PATNA . . . Office of the Director of Industries, Bihar and Orissa.

POONA . . . Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.

RANGOON . . . Office of the Chief Secretary, Home and Political Department, Government of Burma.

WASHINGTON (U. S. A.). . . The Patent Office

B.—Where publications other than printed specifications are available :—

LONDON. . . . Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Rangoon, the 19th July 1938.

Portions of the following note of the Rangoon Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
T/32-051596	100	V. Shunmugam, No. 234, 30th Street, Rangoon.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, RANGOON.

S. NATARAJAN,

Currency Officer.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for April 1938.

(In lakhs of Rupees.)

	For April.		To end of April.		Whole year.	
	1937-38.	1938-39.	1937-38.	1938-39.	Revised, 1937-38.	Budge[t] 1938-3[9]
Revenue.						
Customs	3,46	3,14	3,46	3,14	43,93	
Central Excise Duties	78	64	78	64	7,74	
Corporation Tax	..	..	..	..	1,50	
Taxes on Income other than Corporation Tax	59	51	59	51	12,12	
Salt	93	81	93	81	8,35	
Opium	12	14	12	14	46	
Railways—						
Gross receipts	8,98	8,64	8,98	8,64	99,83	
Deduct—Working Expenses	*5,34*	*5,40*	*5,34*	*5,40*	*64,80*	
Surplus Profits	..	..	..	..	*52*	
Payments to Worked Lines	*29*	*26*	*29*	*26*	*3,02*	
Net receipts	3,35	2,98	3,35	2,98	31,49	
Subsidised Companies	..	..	..	..	12	
Miscellaneous Railway Receipts	..	..	..	..	1,11	
Posts and Telegraphs—Net receipts	17	4	17	4	1,15	
Other heads	20	35	20	35	9,28	
Total	9,60	8,61	9,60	8,61	1,17,25	
Expenditure.						
Railway Revenue Account—						
Interest and other charges	2,71	2,77	2,71	2,77	29,90	
Interest on Debt—Gross	5,06	4,99	5,06	4,99	35,35	
Deduct—Amount chargeable to—						
Railways	*2,56*	*2,57*	*2,56*	*2,57*	*28,06*	
Irrigation	..	..	..	..	*8*	
Posts and Telegraphs	..	..	..	..	*72*	
Commutation of Pensions	..	..	..	..	*24*	
Salt and other Commercial Departments	..	..	..	..	*7*	
Provincial Loans Fund	..	..	..	..	..	
Provincial Governments	..	..	..	..	*4,95*	
Net charges	2,50	2,42	2,50	2,42	1,23	
Defence Services (Net)	3,58	3,64	3,58	3,64	47,22	
Other heads	2,62	2,66	2,62	2,66	38,90	
Total	11,41	11,49	11,41	11,49	1,17,25	
Expenditure not charged to Revenue	62	53	62	53	2,98	
Debt Heads—						
Permanent Debt (Net) India	—1	—1	—1	—1	+92	
Ditto England	—62	—64	—62	—64	—6,85	
Treasury Bills (Net) India	+2,46	+9,77	+2,46	+9,77	+6,00	
Ditto England	..	..	..	..	..	
Ways and Means Advances (Net) India	..	..	..	..	..	
Ditto England	..	..	..	..	..	
Other Debt Head Transactions (Net)	—5,56	—5,26	—5,56	—5,26	+3,67	
Total	—3,73	+3,86	—3,73	+3,86	+3,74	
Total Transactions	—6,16	+45	—6,16	+45	+76	
Opening Balance	10,77	11,31	10,77	11,31	8,64	
Closing Balance	4,61	11,76	4,61	11,76	9,40	

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England and India respectively cancel each other.

NEW DELHI;
Dated the 15th July 1938.

M. SUBRAHMANYAN,
Accountant General, Central Revenues.

Calcutta, the 21st July 1938.

Portions of the following notes of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of their value has been received from the person whose name is shown against the numbers. Any other person/party who consider(s) himself/themselves as having a right to them is/are warned to communicate at once with the undersigned.

Case No.	Number of Note.	Value.	Name and address of the applicant.
		For Rs.	
W.D./16 of 1938	T/13-776581	100	Jagatbandhu Biswas, Village Harirampur, P. O. Satbaria, District Pabna.
	T/13-776572	100	

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

S. GUPTA,
Currency Officer.

Bombay, the 26th July 1938.

Portions of the following notes of the Bombay Office of Issue are stated to have been destroyed, and payment of their value has been claimed by the persons whose names are placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
D 15 of 1938	T/23-970787	100	Mr. Devchand Tokarshi, C/o Dhirajlal Laxmichand Mehta, Mandvi Chowke, Rajkot.
D 16 of 1938	T/36-135621	100	Mr. Bhailal Nathalal Patel, Shakerpor, Cambay.

V. G. DESHMUKH,
Currency Officer.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT, BOMBAY.

GEOLOGICAL SURVEY OF INDIA.

NOTIFICATION.

Calcutta, the 19th July 1938.

No. 3819/914 (2).—Mr. D. Bhattacharji, Assistant Geologist, Geological Survey of India, is granted an extension of leave on average pay for one month in continuation of the leave granted to him in this Department Notification No. 290/C./914 (2), dated 10th June 1938. Mr. Bhattacharji, on his return from leave, is likely to resume his duty as Assistant Geologist in Calcutta, from where he proceeded on leave.

A. M. HERON,
Director,
Geological Survey of India.

GOVERNMENT OF INDIA.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATION.

Simla, the 21st July 1938.

No. D.-489 (9).—Mr. A. R. Palit, B.Sc. (Hons.) (Cal.), B.Sc. (Eng.) (Hons.) (Lond.), A.C.G.I. (Lond.), Assistant Controller of Purchase, Calcutta Purchase Circle, Indian Stores Department, Calcutta, was granted 'earned' leave for twenty days and in continuation thereof extraordinary leave for one day, with effect from the 16th June 1938.

J. S. PITKEATHLY,
Chief Controller of Stores.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 21st July 1938.

No. 4-An.—Mr. Kartar Singh, an accountant in the office of the Controller of Military Accounts and Pensions has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office from the 15th July 1938.

Simla, the 25th July 1938.

No. 1-An.—Mr. H. B. Chatterjee, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command reverted to his substantive grade, with effect from the afternoon of the 19th July 1938.

Simla, the 26th July 1938.

No. 2-An.—Mr. Shankar Dass II, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, is granted combined leave, pending retirement, for one year and one month, with effect from the 1st July 1938, consisting of privilege leave for one month and furlough on half average salary for the remaining period.

J. PARLBY,

Military Accountant General.

INCOME-TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 19th July 1938.

No. 6655/2-E./15.—Mr. S. C. Chaudhuri, M.Sc., Income-tax Officer, District I (1), Calcutta, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 18 days, with effect from the 13th June 1938, with permission to prefix Sunday the 12th June 1938, and to affix holiday on the 1st July 1938 on account of Half-yearly closing of Banks Accounts to the leave.

It is certified that on the expiry of his leave the above officer had every likelihood of returning to the post of the Income-tax Officer, District I (1), Calcutta, from which he went on leave and that he has actually returned to it.

Calcutta, the 21st July 1938.

No. 6857-C. T./2 E./18.—Mr. K. C. Gupta, B.A., Income-tax Officer, Howrah, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 8 days, with effect from the 14th May 1938, with permission to prefix the Fateha Duazdaham Holiday on the 13th May 1938, and to affix Sunday, the 22nd May 1938 to his leave.

S. N. BANERJEA,

Commissioner of Income-Tax, Bengal.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M.; Sundays and other Gazetted holidays from 2 P.M. to 5 P.M. }

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 30th July 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

INDIAN COAL GRADING BOARD.

NOTIFICATION.

Calcutta, the 30th June 1938.

No. 2.—The following Additions and Withdrawals have been made to the list of Graded Coals during the quarter ending 30th June 1938 and are notified for general information :—

Name of Owner.	Name of Colliery.	Name or No. of Seam.
1. ADDITIONS.		
LOW VOLATILE COAL.		
(BARAKAR AND KARHARBAREE SERIES.)		
SELECTED GRADE.		
Up to, but not exceeding 13 per cent. Ash and over 7,000 Calories.		
Kharkhari Coal Co., Ltd.	Kharkhari	17. Special Bottom 4'-0" Section.
East Khas Jharia Colly. Co., Ltd.	East Khas Jharia	11. 9'-9" from the Bottom Section of the Seam.
East Bhuggutdih Colly. Co., Ltd.	East Bhuggutdih	11. Bottom 9'-3".
GRADE I (ONE).		
Up to, but not exceeding 15 per cent. Ash and over 6,500 Calories.		
The Union Coal Co., Ltd., (Mg. Agents Williamson Magor & Co.)	Angrapathra	13. No. 3 Pit.
The Sendra Coal Co., Ltd., (Mg. Agents Messrs. F. W. Heilgers & Co.).	Sendra	13. No. Full Section.
HIGH VOLATILE COAL.		
(RANEEGUNGE SERIES.)		
GRADE I (ONE).		
Up to, but not exceeding 13 per cent. Ash and over 6,300 Calories. Under 9 per cent. Moisture.		
Bansra Coal Co., Ltd., (Mg. Agents Messrs. Kilburn & Co.)	Toposi	Toposi. Bottom 12'-0".
2. WITHDRAWALS.		
LOW VOLATILE COAL.		
SELECTED.		
Kharkhari Coal Co., Ltd.	Kharkhari & Moheshpore	17. Special Bottom 4'-0" Section.
Maharaja of Cossimbazar, Messrs. Gillanders Arbuthnot & Co.	Ekra Khas	12. No. 1 Pit. Bottom 8'-3" Section.
The Union Coal Co., Ltd., Messrs. Williamson Magor & Co.	Angrapathra.	13. No. 3 Pit.

S. N. BANERJI,
Secretary,
Indian Coal Grading Board.

J. R. HARRISON,
President,
Indian Coal Grading Board.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 20th July 1938.

No. EP. 461/Pt. II.—Mr. H. Gatford, Executive Engineer, senior scale, has been granted 4 months privilege leave combined with 2 months and 15 days furlough on full pay to Europe, with effect from the 4th August 1938 or subsequent date of relief.

Calcutta, the 21st July 1938.

No. H. E. 17.—Dr. K. D. Bhave, District Medical Officer, has been granted an extension of 3 days leave on average pay, with effect from the 1st June 1938 in continuation of 2 months and 25 days leave on average pay granted to him, with effect from the 7th March 1938, *vide* Notification No. H. E. 17, dated the 1st March 1938, published in the *Gazette of India*, Part II, dated the 5th March 1938.

No. E. P. 913.—Mr. K. C. Goswami, Assistant Engineer, Lower Gazetted Service has been granted an extension of 5 days leave on half average pay on medical grounds, with effect from the 21st March 1938, in continuation of the leave sanctioned, *vide* Notification No. E. P. 913, dated the 7th April 1938, published in the *Gazette of India*, Part II, dated the 16th April 1938.

No. O. P. E. 418/P. 5.—Mr. P. Sahai, Assistant Superintendent, junior scale on probation, Mechanical Engineering and Transportation (Power) Department has been granted six weeks' leave not due on half average pay on medical grounds, with effect from the 12th June 1938.

No. A. E. 2134 Prom./4/1.—The following officers of the Transportation (Traffic) and Commercial Department, Superior Revenue Establishment, East Indian Railway are promoted from the junior scale to the senior scale, provisionally from the dates noted against each:—

Name.	Date of provisional promotion to the senior scale.
1. Mr. W. F. B. Higman	7th August 1937. This is in supersession of item 2 of notification No. A. E. 2134/Prom/4/V, dated the 10th May 1938 published in the *Gazette of India*, Part II, dated the 21st May 1938.
2. Mr. B. N. Ghose .	2nd February 1938.

Calcutta, the 26th July 1938.

No. A. E. 780/1.—Mr. D. R. Carmody, officiating Superintendent, Staff, Personnel, senior scale reverted to his substantive appointment as Assistant Secretary to General Manager, Junior scale with effect from the 18th July 1938 forenoon.

No. A. E. 780/2.—Mr. J. F. Muncherjee, Assistant Superintendent, junior scale, Mechanical Engineering and Transportation (Power) Department has been appointed to officiate as Superintendent, senior scale in that Department with effect from the 26th June 1938 forenoon

J. A. BELL,

General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 23rd July 1938.

No 22.—Mr. U. N. Banerjee, Works Manager, is granted leave on average pay for 8 months with effect from 24th July 1938 or subsequent date of relief.

R. L. W. MEEHAN.

Chief Mechanical Engineer.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 21st July 1938.

No. 78.—Mr. T. S. Rao, Assistant Electrical Engineer, is granted leave (out of India) for 4 months and 12 days, *viz.*, leave on average pay for 4 months and in continuation thereof leave on half average pay, for the remaining period, with effect from 25th July 1938 or subsequent date of relief.

2. This cancels this office Notification No. 71, dated the 25th June 1938.

No. 79.—Mr. Mohd. Ibrahim, Junior Assistant Commercial, Litigation, is granted leave on average pay for 1 month and 23 days, with effect from 2nd August 1938 or subsequent date of relief.

Lahore, the 25th July 1938.

No. 80.—Mr. P. C. Kapoor, an officer on probation in the Junior Scale of the Transportation (Power) and Mechanical Branch, is confirmed in his appointment, with effect from the 25th July 1938.

J. MACKINNON,
General Manager.

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The Gazette of India

NEW DELHI, SATURDAY, AUGUST 6, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 6th August 1938.

CORRIGENDUM.

The following correction should be made in this office Notification under the heading "Renewal Fees Paid," in Part II, of the *Gazette of India*, dated the 18th September, 1937 :—

For the entry "(To 10th August, 1938)" against No. 13518 *read* "(To 10th August, 1939)".

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

July 23, 1938.

25477. B. Victor and (Miss) E. Ward. An improved composition for use in buildings and general purposes.

25478. N. V. Maatschappij Tot Exploitatie Van Uitvindingen. Improvements in or relating to the combination of a reflector, a supporting ring and an electric incandescent lamp.

25479. K. M. Satin. Improved outer-cover's blocks for pneumatic tyres outer-cover.

25480. Patel & Lokhandwala. An improved process for manufacturing dry ice containers.

July 25.

25481. A. Y. Gore. Improved water regulating device for water supply systems.

25482. F. Christen. Improvements in and relating to magnesium alloys. (February 8, 1938).

25483. Imperial Chemical Industries, Ld. Improvements in or relating to the bleaching of textiles. (August 4, 1937).

25484. Tapered Shims Incorporated. Improvements in rail joint construction.

25485. L. Gabrilovitch. Method of selecting electric waves without the use of resonance. (August 25, 1937).

25486. Major J. J. A. Brachio. A portable traffic controlling device.

25487. British Insulated Cables, Ld. Improvements relating to section insulators for contact wires of electric traction systems. (September 1, 1937).

25488. Stewarts and Lloyds, Ld. Improvements in or relating to the manufacture of metal tubular hollows. (August 31, 1937).

25489. Monier Industries, Ld. Improved machine for the manufacture of concrete pipes and the like. (July 31, 1937).

25490. O. G. E. Roberts. Improvements relating to position-finding radio apparatus.

25491. K. H. Meier. Method of and means for reducing disturbances in wireless reception.

July 26.

25492. Standard Telephones and Cables, Ld. Multiplex multiline carrier system.

25493. The General Electric Co., Ld. Improvements in auxiliary electrodes for electric discharge devices. (July 27, 1937).

25494. F. C. deSouza. Improved process of and apparatus for polishing green tea.

25495. A. H. Bishop. Anti-creep clip for dog spikes and the equivalent means for securing railway or the like permanent way rails to their sleepers.

July 28.

25496. Sav-o-Gas Co. Sav-o-gas.

25497. P. King-Morgan. Improvements in and relating to light-reflecting systems. (July 28, 1937).

25498. H. A. DePenning. Material for covering surfaces.

25499. The Honorary Advisory Council for Scientific and Industrial Research Stimulation of plant growth by the treatment of seeds. (August 20, 1937)

July 29.

25500. S. B. M. Mistry. An improved automatic flushing device.

25501. R. C. Parikh. An improved process for butt welding of bars and the like.

25502. R. B. B. Amin. An improved diesel oil engine head.

25503. Turner & Newall, Ld. Improvements in the manufacture of lined metal pipes. (August 3, 1937).

Alteration of Date.

(I)

24360. The claim to priority date 1st September 1936 has been altered to 16th December 1936.

(II)

25437. Ante-dated 26th April 1937 under section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24276. Standard Telephones and Cables, Ld. Improvements in or relating to X-ray apparatus. (September 1, 1936). *Transformer immersed in insulating compound within a casing and X-ray tube supported on the underside of the casing.*

24278. National Carbon Co., Inc. Air-depolarized cell and electrodes there for. (June 28, 1937). *Carbon cathode having dry surface portions below electrolyte level rendered impermeable.*

24360. H. A. Brassert and Company, Ltd. Improvements in and relating to the refining of iron. (December 16, 1936). *Desulphurising mixture consisting of burnt lime, soda ash and fluorspar.*

24510. The General Electric Company, Limited. Improvements in or relating to apparatus including a Scanning Disc for transmitting Television and Like purposes. (October 8, 1936). [Addition to No. 24450]. *Subsidiary means for compensating variation of radial magnification.*

24534. The General Electric Co., Ld. Improvements in or relating to apparatus including a scarning disc for transmitting television and like purposes. (October 19, 1936). [Addition to No. 24450] *Reducing or abolishing brightness distortion.*

24676. International Hydrogenation Patents Co. Ld. Thermal treatment of carbonaceous materials in contact with catalysts. *Reacting in the presence of a mixture of weakly hydrogenating and strongly hydrogenating metallic compounds.*

24689. Sanitation. Improvements in and relating to water traps and the like traps. *A wide outwardly projected flange provided around the outer wall of the trap at a distance from its top edge.*

24738. Dunlop Rubber Co. (India), Ld. Improvements in or relating to balls for tennis and the like games and the manufacture thereof. *Covering of textile cloth is partly fulled and applied to ball then fulling operation is repeated.*

24783. The United Wire Works, Ld. Improvement in the manufacture of papermakers' wire cloth. (April 23, 1937). *Grinding down the crests of the raised warp kunckles of the multiple weave wire cloth to the level of the long weft crimps.*

24823. Austral Cabinet Co., Ld. Improvements in and relating to closets. (January 9, 1937). *Tray movably disposed in a tank containing liquid carried by bars and cross member bars and lever coupled to said member having friction means for retaining in guide track.*

24883. R. Furness, L. Anderson and Joseph Crosfield & Sons, Ld. Manufacture of ion-exchanging materials. (February 9, 1937). *Treating sulphite cellulose waste material with strong acid polymerising the liquosulphonic acids liberated and dehydrating the product.*

24934. The British Tabulating Machine Co., Ld. Improvements in or relating to machines for manufacturing record cards. *Conveyor drum with clips for holding cards, means to deliver cards to said clips and means to release said cards.*

24987. Western Products Co., Ld. A process of treating glass. (March 18, 1937). *Applying a sheet of cellophane to surface of glass.*

25008. J. A. Kilby. Linkwork for converting a reciprocating motion into a rotary motion, or *vice versa. Gudgeon pin eccentrically supported on swingably mounted oscillatory disc remains in line with piston rod during swing and provides pivotal connection between piston and connecting rods.*

25069. H. S. Uberoi. Improvements in or relating to badminton, tennis and like racket frames. *Made of bamboo strips.*

25107. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to remotely controllable tuning arrangements. (April 15, 1937). *A local circuit coupled at one end of a cable and a series resonant type of circuit at the other end.*

25114. K. Yoshida. Improvements in or relating to line-connection board for radio communication. *Comprising a number of layers each consisting of a pair of insulating boards superposed one upon another with a metallic plate between.*

25131. A. S. Deshpande. An apparatus to demonstrate planetary movements with special reference to those of the Earth and its accompanying phenomena. *Box with gear mechanism for rotating and means to hold spheres to represent heavenly bodies.*

25437. The General Electric Co., Ld. Improvements in or relating to electric discharge lamps comprising luminescent materials. (July 23, 1936). [Ante-dated April 26, 1937]. *Means for applying thin layer of glass to inner surface of tube which is coated with luminescent material.*

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23780. Andrews.
23796. International General Electric Co. of New York, Ld.
23822. International General Electric Co. of New York, Ld.
23921. Richardson.
23960. Callender's Cable and Construction Co., Ld.
24277. Mabie, Todd & Co., Ld.
24358. The Kassipur Company, Limited.
24359. The Kassipur Company, Limited.
24474. Naamlooze Vennootschap : W. A. Scholten's Chemische Fabrieken.
24495. L. S. Davar & Co.

24526. British Acoustic Films Ld.
24630. Pandloskar and Pandloskar.
24703. Siemen and Hinsch.
24712. The Rawlplug Co., Ld.
24716. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny & Cirey.
24730. Pratt.
24737. Marconi's Wireless Telegraph Co., Ld.

Patents Sealed.

23610. Ghosh.
23733. Mikimoto.
23737. Singer.
23750. Roberts and Watkins.
23776. Vereinigte Gluhlampen und Elektricitats Aktiengesellschaft.
23808. The American Rolling Mill Co.
23841. Allmanna Svenska Elektriska Aktiebolaget.
24006. Patel.
24046. Standard Alcohol Co.
24246. Patel.
24275. Shiraishi.
24285. International Hydrogenation Patents Co., Ld.
24384. Studien-und Verwertungs-gesellschaft mit beschrankter Haftung.
24591. Marconi's Wireless Telegraph Co., Ld.
24641. Bernier.
24661. Shiner.
24678. Watson.
24695. Bolinder's Fabriks Aktiebolag.

Opposition Proceedings.

The oppositions entered by M. Peres and Mallya Nayak Co., to the grant of a patent on application No. 23021 made by M. G. Pai and notified in Part II of the *Gazette of India*, dated the 6th November 1937, have been allowed in part. The sealing of the patent will be subject to the amendment of the specification.

Renewal Fees Paid

PATENTS.

9642. Leer. (To 4th September 1939).
10602. The Western Electric Co., Ld. (To 1st September 1939).
10603. The Western Electric Co., Ld. (To 1st September 1939).
10604. The Western Electric Co., Ld. (To 1st September 1939).
10623. The Western Electric Co., Ld. (To 15th September 1939).
11657. Western Electric Co., Ld. (To 15th September 1939).
13333. Whitworth. (To 23rd August 1939).
13664. International General Electric Co. Inc. (To 12th October 1939).
13667. International General Electric Co. Inc. (To 12th October 1939).
13819. The Westinghouse Brake & Saxby Signal Co., Ld. (To 28th November 1939).
13821. Tootal Broadhurst Lee Co., Ld. (To 28th November 1939).
14847. Creed and Co., Ld., and ors. (To 24th September 1939).
14871. International General Electric Co., Inc. (To 4th October 1939).
16019. Sensible Heat Distillation, Ld. (To 30th July 1939).
16157. Electrolux, Ld. (To 20th August 1939).
16164. Thomas and anr. (To 26th August 1939).
16171. Electrolux, Ld. (To 27th August, 1939).
16242. Standard Telephones and Cables, Ld. (To 16th September 1939).
16248. LeClair and ors. (To 20th November 1939).
16249. LeClair and ors. (To 20th November 1939).
16266. W. H. Miner, Inc. (To 23rd September 1939).
17190. Macdonald. (To 29th July 1939).
17276. Yuba Manufacturing Co. (To 11th August 1939).
17398. H. A. Brassert & Co. (To 23rd September 1939).
17399. H. A. Brassert & Co. (To 23rd September 1939).
17419. Dixon. (To 7th October 1939).
17425. The Distillers Co., Ld. and anr. (To 30th September 1939).
17430. International General Electric Co., Inc. (To 9th October 1939).
17431. International General Electric Co. Inc. (To 9th October 1939).
17432. International General Electric Co., Inc. (To 9th October 1939).
18305. Electrical Research Products, Inc. (To 4th September 1939).
18306. Electrical Research Products, Inc. (To 4th September 1939).
18307. Electrical Research Products, Inc. (To 4th September 1939).
18372. Roberts and ors. (To 22nd November 1939).
18384. Clayton. (To 28th September 1939).
18449. Bullers, Ld. (To 13th November 1939).
19100. Bright Star Battery Co. (To 1st August 1939).
19137. Pouyaud. (To 16th August 1939).
19256. Rosenstein and anr. (To 19th October 1939).
19594. Agar and ors. (To 5th October 1939).
20144. Evans. (To 5th August 1939).
20145. Deshpande. (To 7th August 1939).
20159. Industry Issue & Finance Co., Ld. (To 26th August 1939).
20160. Industry Issue & Finance Co., Ld. (To 14th August 1939).
20161. Industry Issue & Finance Co., Ld. (To 14th August 1939).
20471. L'Auxiliaire Des Chemins De Fer Et De L'Industrie. (To 18th December 1939).
21044. Patel and anr. (To 26th July 1939).
21067. W. M. Still and Sons, Ld. (To 18th January 1940).
21068. W. M. Still and Sons, Ld. (To 18th January 1940).
21103. Pfistershammer. (To 20th August 1939).
21107. Corning Glass Works. (To 20th August 1939).
21115. Patel and anr. (To 24th August 1939).
21277. Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (To 24th October 1939).
21357. The Burmah Oil Co., Ld. (To 12th November 1939).
22029. Wood and anr. (To 4th August 1939).
22093. May & Baker, Ld., and anr. (To 23rd August 1939).
22145. Hudson Scott & Sons, Ld., and anr. (To 12th September 1939).
22157. Francon. (To 13th September 1939).
22168. Barlow and anr. (To 22nd September 1939).

Cessation of Patents.

14316. Boustead and ors.
15550. Santon, Ld., and anr.
17983. Filtrators Ld.
17987. Ide and anr.
18907. Segal Founders Corporation.
18911. Fox.
20803. Lt. Comdr. Brown.
20805. Flanagan.
20812. Safety Devices Corporation.
21658. Barnes.
21821. The Melingriffith Co., Ld.
21822. Executors of James Mills, Ld.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 1. No. 63252. Thoperrumbakkam Arumuga Mudaliar, Proprietor, The Swadeshi Type Foundry, Chintadripet, Madras. April 11, 1938.

Class 13. Nos. 63529 to 63535. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 11, 1938.

Class 13. No. 63537. The Mafatlal Fine Spg. & Mfg. Co., Ld., of Navsari, Baroda State. July 11, 1938.

Class 13. Nos. 63538 to 63542. Sha Dwarkadas Dhanji, Mulji Jetha Market, Gaumukh Galli, Bombay 2. July 11, 1938.

Class 13. No. 63545. F. Steiner & Co., Ld., of Church, Lancashire, England. July 12, 1938.

Class 14. No. 63520. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. (July 4, 1938).

Extension of Copyright in Designs.

Copyright in the following design has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of the entry is the date of registration of the design included in the entry :—

Class 1. No. 57316. Originally registered in the name of Vacuum Oil Co., Inc., of No. 26, Broadway, New York, United States of America, and of 6, Church Lane, Calcutta, British India, and subsequently assigned to Standard-Vacuum Oil Co., of City of New York, State of New York, and of 6, Church Lane, Calcutta, British India. October 17, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON . (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON. . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Madras, the 27th/30th July 1938.

Portions of the following Currency notes of the Madras Office of Issue are stated to have been destroyed and applications for payment of their value have been received from the persons whose names are shown against the numbers. Any other person who considers himself as having a right to them is warned to communicate at once with the undersigned.

Note No.	Value.	Names and addresses of the applicant.
	Rs.	
T/24-950353	100	V. Karumbairam Chetty, Oil Merchant, Seshamulai P. O., Nannilam Taluk, Tanjore District.
T/20-030940	100	Sheikh Bunda, Son of Gainda, Puranimundi, Taj Ganj, Agra.

P. S. V. NAMBI,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, MADRAS.

Bombay, the 30th July 1938.

Portions of the following note of the Bombay Office of Issue are stated to have been destroyed, and payment of its value has been claimed by the person whose name is placed against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
D 17 of 1938	T/15-643425	100	Bai Ralu, daughter of Khorja and widow of Ukra Poshala, At Jaman Kuva, Post Mandvi, District Surat.

V. G. DESHMUKH,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, BOMBAY.

Cawnpore, the 3rd August 1938.

Portions of the following note of the Cawnpore Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
S/54-332591	10	Dukha, Village Bahadurpur, P. O. Samstipur, District Darbhanga.

M. K. BHATTACHARYYA,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, CAWNPORE.

RESERVE BANK OF INDIA.

NOTIFICATION.

Bombay, the 2nd August 1938.

No. 24.—On return from leave Mr. B. V. Desai is reposted as an Accountant, Reserve Bank of India, Bombay, with effect from the 1st August, 1938, *vice* Mr. G. L. Bijur reverted as Senior Superintendent.

MANILAL B. NANAVATI,

Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Bombay, the 27th July 1938.

In pursuance of Schedule II, Regulation 51 of the Imperial Bank of India Act, 1920, the Central Board have empowered Mr. Mohd. Hussain, Head Clerk, Rampur Branch, to receipt Rampur State credit challans for amounts not exceeding Rs. 500 each, *vice* Mr. Mohd. Abdul Ghani.

B. A. C. NEVILLE,

Dy. Managing Director.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Return of the Rupee Debt of the Central Government of India for 31st May 1938.

[Thousands of Rupees.]

PUBLIC DEBT BEARING INTEREST.

Particulars.	Date of issue.	Conditions of Repayment.	Amount out-standing.	TOTAL.
			Rs.	Rs.
REASURY BILLS .	..	....	44,14,25	
AYS AND MEANS AD-VANCES.	..	....	..	
OST OFFICE CASH CERTIFICATES.	..	....	59,66,74	
OST OFFICE SAVINGS BANK DEPOSITS.	..	....	79,79,37	
ROVIDENT FUNDS AND OTHER UNFUNDED DEBT.	..	....	95,27,78	2,78,88,14
ERMINABLE LOANS—				
% Loan, 1938-40 .	1st Oct. 1932 .	On or before 1st October 1940, but not preceding 1st October 1938, with three months' previous notice.	7,76,45	
% Loan, 1939-44 .	15th July 1929	On or before 15th July 1944, but not preceding 15th July 1939, with three months' previous notice.	20,07,03	
n, 1940-43 .	1st Oct. 1932 .	On or before 1st October 1943, but not preceding 1st October 1940, with three months' previous notice.	25,18,48	
% Bonds, 1941 . .	15th Sept. 1934	On 15th September 1941	10,67,32	
% Bonds, 1943 . .	1st Feb. 1933 .	On 1st August 1943 .	14,97,18	
% Income Tax Free Loan, 1945-55.	15th Oct. 1919	On or before 15th October 1955, but not preceding 15th October 1945, with three months' previous notice.	56,74,94	
% Loan, 1947-50 .	15th May 1933	On or before 15th November 1950, but not preceding 15th November 1947, with three months' previous notice.	55,94,37	
% Loan, 1948-52 .	1st June 1936 .	On or before 1st June 1952, but not preceding 1st June 1948, with three months' previous notice.	12,01,28	
Loan, 1951-54 .	15th Sept. 1935	On or before 15th September 1954, but not preceding 15th September 1951, with three months' previous notice.	15,12,85	
% Loan, 1955-60	15th Sept. 1928	On or before 15th September 1960, but not preceding 15th September 1955, with three months' previous notice.	9,05,70	
Loan, 1960-70 .	15th Sept. 1926	On or before 15th September 1970, but not preceding 15th September 1960, with three months' previous notice.	63,30,26	
Loan, 1963-65	19th May 1938	On or before 13th June 1965, but not preceding 1st June 1963, with three months previous notice.	26,31,22	3,17,17,08
N-TERMINABLE LOANS—				
REE AND HALF PER CENT.—				
1842-43 . . .	1st Feb. 1843 .	At the option of the Government of India after three months' notice.	24,60,46	
1854-55 . . .	30th June 1854.	Ditto . . .	20,79,50	
" coupon (a) .	..	Ditto . . .	5,36	
1865 . . .	1st May 1865 .	Ditto . . .	38,41,63	
Reduced, 1879 .	16th Jan. 1879.	Ditto . . .	2,70 86	
1900-01 . . .	30th June 1900	Ditto . . .	36,44,30	1,23,02,11
REE PER CENT.—				
1896-97 . . .	22nd July 1896.	Ditto . . .	3,23,54	3,23,54
AILWAY LOANS—				
Maharaja Holkar, 4½ p. c.	(1870-77). .	After 101 years . . .	70,00	
Maharaja Scindia, 4 p. c.	..	..	1,50,00	2,20,00
		TOTAL .		7,24,50,87*

PUBLIC DEBT NOT BEARING INTEREST.

Particulars.	Date of discharge.	Amount.
		Rs.
5½% War Bonds, 1920.	15th Aug. 1920.	2,86
5½% War Bonds, 1921.	15th Sept. 1921.	2,52
5½% War Bonds, 1922.	15th Aug. 1922.	1,79
5½% War Bonds, 1923.	15th Sept. 1923.	48
4% Terminable Loan of 1915-16.	30th Nov. 1923.	25
5½% War Bonds, 1925.	15th Sept. 1925.	17
6% Bonds, 1926.	15th Sept. 1926.	93
6% Bonds, 1927.	1st Oct. 1927.	1,50
5½% War Bonds, 1928.	15th Sept. 1928.	1,35
6% Bonds, 1930.	15th Aug. 1930.	3,75
6% Bonds, 1931.	15th Sept. 1931.	27
6% Bonds, 1932.	1st Oct. 1932.	1,19
5% War Loan, 1929-47.	15th May 1933.	4,13
4% Conversion Loan of 1916-17.	1st July 1933.	58
6% Bonds, 1933-36.	15th Aug. 1933.	2,27
5% Bonds, 1933.	1st Sept. 1933.	1,97
4% Loan, 1934-37.	16th Aug. 1934.	2,64
4½% Bonds, 1934.	15th Sept. 1934.	2,10
5% Bonds, 1935.	15th Sept. 1935.	1,75
6½% Treasury Bonds, 1935.	15th Sept. 1935.	8,47
TOTAL .		40,97

(a) Issued in London in conversion of the 4½ per cent. Loan.
* Amount held in London is 7,65,38.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.
New Delhi, the 1st August 1938.

M. SUBRAHMANYAN,
Accountant General, Central Revenues.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATIONS.

New Delhi, the 2nd August 1938.

No. E. B.-15.—In supersession of this office Notification No. E.B.-15, dated the 4th June 1938, Mr. F. H. Rowan, Aircraft Inspector, in the Civil Aviation Directorate, was granted leave on average pay for 14 days, with effect from the 6th June 1938.

New Delhi, the 3rd August 1938.

No. E. B.-15.—Earned leave for 10 days with effect from the 17th June 1938 granted to Mr. G. S. Subramaniam, Aerodrome Officer, Madras, in this office Notification No. E. B.-15 (i), dated the 16th July 1938, is hereby cancelled.

F. TYMMS,

Director of Civil Aviation in India.

GOVERNMENT OF INDIA.

DEPARTMENT OF EXPLOSIVES.

NOTIFICATION.

Calcutta, the 26th July 1938.

No. G.-15 (14) 5.—On return from leave Rai Sahib Beli Ram, resumed the duties of the Superintendent of the office of the Chief Inspector of Explosives in India with effect from the forenoon of the 12th July 1938.

G. PEACE,

Chief Inspector of Explosives in India.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE.

Camp Coimbatore, the 30th July 1938.

No. 121/C.—Mr. P. B. Sanyal, Laboratory Assistant on the establishment of the Imperial Agricultural Chemist is appointed to officiate as Second Assistant Agricultural Bacteriologist *vice* Mr. S. V. Desai, granted leave in this office Notification No. 5389, dated 16th July 1938.

B. VISWA NATH,

Director.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M.; Sundays and other Gazetted holidays from 2 P.M. to 5 P.M. }

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 6th August 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

RESERVE BANK OF INDIA, CALCUTTA.

NOTIFICATION.

Calcutta, the 6th August 1938.

In pursuance of Rules 19 and 32 of the Rules made by the Government of India under section 24 of the Indian Securities Act, X of 1920, and published in the *Gazette of India* of the 2nd March, 1935, as subsequently amended by the Central Government, Finance Department, Notification No. D,-7791-F., dated the 4th November 1937, published in the *Gazette of India*, dated the 6th November 1937, the following list is hereby advertised of Securities lost, etc., in respect of which *prima facie* grounds exist for believing that the securities have been lost and that the claim of the applicants is just. All persons, other than the respective claimants named below, who have any claim upon these securities, should communicate immediately with the Manager, Reserve Bank of India, Calcutta.

The list is divided into two parts:—Part A being the list of securities now advertised for the first time, and Part B the list of securities previously advertised.

N.B.—Under section 18 of the said Act Government will be discharged from all liability in respect of these original securities after the lapse of six years from (*a*) the several dates stated against them in the last column of the list, or (*b*) the last payment of interest on them, whichever date is later.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	Date of orders issued.
A					
Three per cent., 1896-97.					
	Rs.				
090146	500	Shaikh Jumman	31st Dec. 1929	Mohammad Ali and Hafizullah Arif.	Dated 30-6-38. I/1337.
105794/95	1,000 each.	Mary B. Deefholts (since deceased).	31st Dec. 1929	The Administrator General of Bengal.	Dated 15-3-38. I/909.
Three and half per cent., 1842-43.					
3064847/48	100 each.	The Imperial Bank of India	1st Feb. 1936	Jal Hormasji Nanavatty	Dated 2-3-38. I/1371.
*B073605	1,000	Ditto	1st Feb. 1931	Bai Shirinbai Jalbhai Nanavatty minor, through her guardian Jal Harmasji Nanavatty.	Dated 2-3-38. I/1371.
[illegible]9157	100	The Central Bank of India, Ltd.	1st Aug. 1930	Karimbhai Samsuddin	Dated 7-3-38. I/1327.
Three and half per cent., 1854-55.					
235588	500	Gopal Chandra Chatterjee	30th June 1936	Profulla Kumari Debi	Dated 17-3-38. I/1344.
Three and half per cent., 1865.					
[illegible]93816	200	Shibnath Roy	1st May 1936	Profulla Kumari Debi	Dated 17-2-38. I/1344
Three and half per cent., 1900-01.					
*B153839	100	Karimbhai Samsuddin	31st Decr. 1934	Akbarali Karimbhai Mithiborwala	Dated 7-3-38. I/1327.
**B210210	1,000	Jal Hormasji Nanavatty	30th June 1936	Jal Hormasji Nanavatty	Dated 2-3-38. I/1371.
**B210212	1,000	Ditto	Ditto	Ditto	Ditto.
254837	500	Prosad Das Boral & Bros.	31st Dec. 1926	Nani Bala Debi (with powers limited to the drawal of interest only).	Dated 21-5-38. I/1356.

* Duplicate issued without usual formalities.
** Half Note—Issue of duplicate authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	Date of orders issued.
	Rs.	**Three and half per cent., 1900-01**—*contd.*			
336673	1,000	The Imperial Bank of India	30th June 1936	Profulla Kumari Debi	Dated 17-2-38. I/1344.
355868	1,000	Prosad Das Boral & Bros.	Ditto	Ditto	Ditto.
358301	1,000	Satyendra Nath Banerjee	Ditto	Ditto	Ditto.
263620 /21	100 each.	Prosad Das Boral & Bros.	Ditto	Ditto	Ditto.
364873	300	A. Gomes, T. F. Gomes and Sabiva Gomes or any one of them.	Ditto	Ditto	Ditto.
297358	100	Profulla Kumari Debi	Ditto	Ditto	Ditto.
		Five per cent., 1939-44.			
D006298/99	100 each.	The Imperial Bank of India	15th July 1936	Profulla Kumari Debi	Dated 17-2-8. I/1344.
		Five per cent., 1945-55.			
D027793	100	The Accountant General, Posts and Telegraphs.	15th Oct. 1919	Maung Pon and Maung Ta Baw	Dated 26-4-38. I/49.
D040194/96	100 each.	The Imperial Bank of India	15th Apl. 1929	Harsahbadanray M. Oza	Dated 3-3-38. I/1379.
F012572	500	The Accountant General, Posts and Telegraphs.	Ditto	Dolatray Sakerlal and Harshavadan Mahasukhray or either of them.	Ditto.
		Five and half per cent., 1920.			
AG005726/27	100 each.	..	15th Feb. 1919	The Nazir and Receiver, 1st class, Sub-Court, Hyderabad, Sind, as Receiver to the Estate of Messrs. Ramchand Khemchand and Mandharam Ramchand.	Dated 29-3-38. I/1284.
083591	100	The Accountant General, Posts and Telegraphs.	15th Sept. 1918	Chiranji Lal	Dated 10-2-38. I/178.
		Five and half per cent., 1921.			
E017350	200	The Accountant General, Punjab.	15th Sept. 1918	Harnaranjan Singh, Harkunjan Singh, Satsangat Singh, Gurdial Singh and Darshan Singh.	Dated 8-3-38. I/715.
		Five and half per cent., 1922.			
019468	600	Mg Kya Zaw	15th Aug. 1917	Ma Shwe Kha	Dated 10-2-38. I/1355.
		Five and half per cent., 1938-40.			
**B000461	1,000	The Imperial Bank of India	1st Oct. 1936	Jal, H. Nanavatty and Parimbai Jal Nanavatty or either of them.	Dated 2-3-38. I/1371.
**B000471	100	Ditto	Ditto	Ditto	Ditto.
**B000476	100	Ditto	Ditto	Ditto	Ditto.
**D000712	100	Ditto	Ditto	Ditto	Ditto.
**D000752	100	Ditto	Ditto	Ditto	Ditto.
**D002399	100	Ditto	Ditto	Ditto	Ditto.

** Half Note—Issue of duplicate authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A / D/2241-F., dated 3-7-20 / 18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
			B			
			Three per cent., 1896-97.			
	Rs.					
**B011063/65 .	500 each.	Sangli Bank, Ltd. .	June 30, 1933	Querobine Natividade Fernandes and Caetano Braz Fernandes or either of them.	Dt-7-1-37 . . . I/1323.	Feb. 27, 1937.
**B011431 .	500	Querobine Natividade Fernandes or Caetano Braz Fernandes.	Ditto .	Ditto .	Ditto . . .	Ditto.
018699 . .	1,000	Nawab Ahsunollah .	June 30, 1921	The Chief Manager, Dacca Nawab Estate.	Dated 29-9-36 . . I/730.	Ditto.
018700 . .	500	Ditto .	Ditto .	Ditto .	Ditto . .	Ditto.
025114 . .	500	The Bank of Bengal .	Dec. 31, 1897	Gouree Dutt Heera Laul.	Dt-1126/884, dated 13-1-05.	Feb. 6, 1926.
[illegible]68 . .	1,000	Ditto .	Dec. 31, 1910	Ram Nath . .	Dt-1679, dated 27-6-33 .	Aug. 5, 1933.
066870 . .	1,000	Ditto .	Ditto .	Ditto .	Ditto .	Ditto.
077488 . .	100	Ditto .	Dec. 31, 1919	Bhupendra Nath Mitra.	Dt-2461, dated 31-8-33 .	Feb. 10, 1934.
*080411 . .	500	Ditto .	Dec. 31, 1917	Panna Lall & Sons .	Dt-1259/164—32, dated 11-5-33.	Aug. 5, 1933.
083360 . .	100	Mizaji Lal	June 30, 1921	Manohar Lal . .	Dt-2659, dated 24-11-34.	Mar. 16, 1935.
089197 . .	100	Meeri Mal . . .	Dec. 31, 1925	Dina Nath . .	Dt-94/126—33, dated 12-1-33.	Feb. 18, 1933.
091117 . .	800	Horri Preea Dassi .	June 30, 1921	Dhirendra Krishna Deb.	Dt-402, dated 26-2-35 . I/1172.	Aug. 17, 1935.
091701 . .	100	Prosad Das Boral & Bros.	Dec. 31, 1923	Shiv Shankar Bhargava.	Dt-2908, dated 13-10-33	Feb. 10, 1934.
091703 . .	100	Ditto .	Ditto .	Ditto .	Ditto .	Ditto.
092090 . .	500	Bama Sundary Dabi .	June 30, 1925	Sm. Radha-rani Debi	Dated 25-5-37 . . I/1325.	Aug. 28, 1937.
092217 . .	100	Prosad Das Boral & Bros.	June 30, 1923	Mohamed Yusuf .	Dt-239/161—27, dated 4-2-27.	Aug. 6, 1927.
093342/43 .	100 each.	Mizaji Lal . . .	June 30, 1921	Manohar Lal . .	Dt-2659, dated 24-11-34.	Mar. 16, 1935.
093499 . .	500	Nagendra Nath Banerji .	June 30, 1927	Robindra Nath Banerji, Amarendra Nath Banerji, Atindra Nath Banerji, minors, under the guardianship of Kiran Shashi Devi.	Dt-2591, dated 10-11-34	Ditto.
094683 . .	500	The Controller of the Currency.	Dec. 31, 1924	The Superintending Engineer, Upper Bari Doab Canal, Amritsar.	Dated 2-1-36 . . I/1026.	Mar. 9, 1936.
=095622 .	1,000	The Imperial Bank of India.	Dec. 31, 1922	The Chief Accounts Officer, G. I. P. Railway.	Dt-2040, dated 9-9-34	Mar. 16, 1935.
097507 . .	500	Manindra Nath Bose and Hemendra Nath Bose.	Dec. 31, 1928	Manindra Nath Bose and Hemendra Nath Bose.	Dt-613, dated 14-3-34 .	Oct. 27, 1934.

* Full Note—Duplicate issued without usual formalities.
= Half Note—Duplicate issued.
** Partially destroyed notes—Issue of duplicates authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A / D./2241-F., dated 3-7-20 / 18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
		Three per cent., 1896-97—*contd.*				
	Rs.					
097571	100	The Controller of the Currency.	June 30, 1924	Matabadal Singh	Dt-1381/163—32, dated 7-6-32.	Aug. 13, 1932
097585	100	Ditto	Dec. 31, 1924	S. Sajjad Husain	Dt-965, dated 3-4-33	Aug. 5, 1933
098903	1,000	S. Ali Hossan	Dec. 31, 1923	Syed Ali Haidar and Mustt. Sabra Khatoon.	Dated 24-4-35 I/1192.	Aug. 17, 1935
099046	1,000	The Imperial Bank of India.	Ditto	Messrs. Ramannah Poolliah and Sons.	Dt-1181, dated 30-5-34	Oct. 27, 193
103717-18	500 each.	Turner Morrison & Co., Ltd.	Dec. 31, 1926	Turner Morrison & Co., Ltd.	Dt-3289, dated 22-11-33.	Feb. 10, 193
105642	1,000	Kedar Nath Mukherjee	Dec. 31, 1933	Kedar Nath Mukherjee	Dated 26-6-1935 I/1202.	Aug. 17, 193
105987	8,800	Benimadhab Chaki	Dec. 31, 1935	Benimadhab Chaki	Dated 13-12-37 I/1345.	Feb. 26, 193
107499	1,000	The Controller, Military Accounts, Lahore District.	June 30, 1930	Sh. Moula Bux, Faqir Mohammad.	Dt-2070/177—32, dated 17-8-32.	Feb. 18, 193
108143	500	The Imperial Bank of India.	Ditto	Ditto	Ditto	Ditto.
110407	4,000	Benimadhab Chaki	Dec. 31, 1935	Benimadhab Chaki	Dated 13-12-37 I/1345.	Feb. 26, 193
110516	10,000	Ditto	Ditto	Ditto	Ditto	Ditto.
111659	5,000	Ditto	Dec. 31, 1934	Ditto	Ditto	Ditto.
**112314	200	Abdul Majid	June 30, 1932	Chaudhri Abdul Majid.	Dated 7-10-36 I/1119.	Feb. 27, 1937
112327	300	Probodh Chandra Chatterjee and Subodh Chandra Chatterjee.	Dec. 31, 1933	Sm. Pankaj Bala Debi.	Dated 7-10-37 I/1338.	Feb. 26, 193
*113191/99	1,000 each.	The Deputy Controller of the Currency, Rangoon.	Dec. 31, 1933	Reed Ward & Co.	Dt-1957, dated 29-8-34.	Mar. 16, 193
113985	500	Asha Kumari Debi and Santi Kumari Debi or either of them.	Dec. 31, 1933	Asha Kumari Debi and Santi Kumari Debi.	Dated 9-11-37 I/1317.	Feb. 26, 193
		Three per cent., 1941.				
D000416/26	100 each.	The Imperial Bank of India.	Sep. 15, 1934	Shankar Ranoji Jadhav.	Dated 5-12-35 I/1231.	Mar. 9, 193
		Three and half per cent., 1842-43.				
*B012583	100	H. Wadham	Feb. 1, 1905	Temooljee Sorabjee	Dt-789, dated 5-4-34	Oct. 27, 193
**B028393	1,000	The National Bank of India, Ltd.	Aug. 1, 1906.	Abdul Kader	Dt-333, dated 18-2-30	Aug. 2, 193
B074176/77	1,000 each.	Gangubai Krishnarao Kirtikar.	Feb. 1, 1934	Gangubai Krishnarao Kirtikar.	Dt-448, dated 5-3-1935 I/1190.	Aug. 17, 19
M000469	500	C. R. Cohindavaloo Moodaliar.	Aug. 1, 1900	Appaji Appah	Dated 18-4-1935 I/133.	Aug. 17, 19
M003788	1,000	The Accountant General, High Court, Madras.	Ditto	Ditto		
*035151	500	The Bank of Bengal	Feb. 1, 1900.	Raj Narain	Dt-2459, dated 23-9-32	Feb. 18, 193
*065643-44	500 each.	Surendra Nath Gupta	Aug. 1, 1908	The Public Trustee, Kingsway, London.	Dt-723, dated 24-3-34	Oct. 27, 19

* Half Notes—Duplicates issued.
** Half Note—Issue of duplicate authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. $\frac{\text{413-A}}{\text{D./2241-F.}}$, dated $\frac{\text{3-7-20}}{\text{18-2-35}}$.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
		Three and half per cent., 1842-43—*contd.*				
	Rs.					
078147	500	Bromhomoyee Dassi	Feb. 1, 1905.	Bromhomoyee Dassi	Dt-975/1025, dated 22-1-09.	Aug. 14, 1909.
087898	1,000	Damodar Ragoonath Kirkire.	Aug. 1, 1909.	Govind Sadasheo Chaskar, Krishnabai Manake and Kesheo Sadasheo Chaskar.	Dt-1065/70—13, dated 12-8-13.	Feb. 21, 1914.
111355	1,500	Kooramoney Dassee, Executrix to the estate of Greesh Chunder Paul, deceased.	Feb. 1, 1916.	Satyendra Kumar Bose, Receiver.	Dt-1539, dated 23-6-31.	Aug. 1, 1931.
133135/37	1,000 each.	The Bank of Bengal	Aug. 1, 1918	Raghubir Sahai	Dated 13-6-1935 I/1164.	Aug. 17, 1935.
133351	10,000	The Deputy Commissioner, Peshawar.	Aug. 1, 1919.	Abdul Rahman Khan	Dt-556/139—32, dated 23-2-32.	Aug. 13, 1932.
139632	1,000	Kooramoney Dassee, Executrix to the estate of Greesh Chunder Paul, deceased.	Feb. 1, 1916.	Satyendra Kumar Bose, Receiver.	Dt-1539, dated 23-6-31.	Aug. 1, 1931.
139633	2,000	Ditto	Ditto	Ditto	Ditto	Ditto.
142430	500	Ditto	Ditto	Ditto	Ditto	Ditto.
148205	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
154994	1,000	Girish Chander Dey (since deceased).	Feb. 1, 1919	Surendra Nath Dey	Dated 30-9-35 I/1201.	Mar. 9, 1936.
156098-102	100 each.	Waman Shankar Despande.	Ditto	Yogiraj Kaniram Marwadi.	Dt-2458, dated 23-9-32.	Feb. 18, 1933.
156103-104	500 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
157901	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
157902	500	Ditto	Ditto	Ditto	Ditto	Ditto.
157903	100	Ditto	Ditto	Ditto	Ditto	Ditto.
164566	1,000	Debi Prasad and Mata Prasad.	Feb. 1, 1924	Debi Prasad and Mata Prasad.	Dt-1004, dated 8-5-34	Oct. 27, 1934.
164752	1,000	Bejoy Gopal Banerjee and Benoy Gopal Banerjee, minors (under the guardianship of Shantashila Debya).	Ditto	Bijoy Gopal Bandopadhya and Sarajini Debi.	Dt-3483, dated 14-12-33.	Feb. 10, 1934.
164753	600					
**166105.	2,000	Taraprasanna Guha	Feb. 1, 1924	Taraprasanna Guha	Dt-146, dated 22-1-35 I/1169.	Aug. 17, 1935
168013	1,000	Bai Hari	Feb. 1, 1925.	Bai Hari	Dt-3338, dated 22-12-32.	Feb. 18, 1933.
169308	500	Nocool Chandra Chatterjee.	Feb. 1, 1919.	Nabo Kumar Chatterjee (with powers limited to drawal of interest only).	Dt-2016/175—32, dated 13-8-32.	Ditto.
172876	500	Surja Kanto Basak	Feb. 1, 1928.	Ajit Kumar Banerjee and Ranjit Kumar Banerjee, minors, through their guardian Durga Prosad Banerjee.	Dt-724, dated 24-3-34	Oct. 27, 1934,

**Half Note—Issue of duplicate authorised

Three and half per cent., 1842-43—*contd.*

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A / D./2241-F., dated 3-7-20 / 18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
	Rs.					
173263	3,000	Harry Balla Dabee	Aug. 1, 1923.	Jnanendra Nath Deb Roy.	Dated 8-4-37 I/1038.	Aug. 28, 1937.
174840	1,000	Kashi Nath Mitra	Aug. 1, 1927.	Makhan Lal Modak.	Dt-614/98—30, dated 1-3-32.	Aug. 13, 1932.
181426	500	The Imperial Bank of India.	Aug. 1, 1930	Dijesh Chunder Chuckerbotty.	Dt-2129/180—32, dated 23-8-32.	Feb. 18, 1933.
183833	2,000	P. L. Bhargava	Feb. 1, 1928.	The Deputy Commissioner, Chhindwara.	Dt-639, dated 16-3-34	Oct. 27, 1934.
188116	500	Monorama Debi	Aug. 1, 1927	Ajit Kumar Banerjee and Ranjit Kumar Banerjee, minors, through their guardian Durga Prosad Banerjee.	Dt-724, dated 24-3-34	Ditto.
190444	1,000	The Imperial Bank of India.	Feb. 1, 1924	A. Chandler	Dated 15-7-37 I/720.	Aug. 28, 1937.
190819	5,000	Ditto.	Feb. 1, 1925.	The President, Municipal Committee, Maubin.	Dt-2402, dated 26-8-33.	Feb. 10, 1934.
191450	1,000	Azizur Rahman	Aug. 1, 1930.	Anantoram Dey	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932.
193141	5,000	Mohammed Asghar Khan	Aug. 1, 1933.	Mohummad Asghar Khan.	Dt-2559, dated 3-11-34	Mar. 16, 1935.
199641	500	The Imperial Bank of India.	Aug. 1, 1930.	Anantoram Dey	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932.
199775	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
199776-77	1,000 each.	Ditto	Ditto	Anantoram Dey and Tarapada Dey or either.	Dt-891/149—32, dated 4-4-32.	Ditto.
201984	600	The Accountant General, Posts and Telegraphs.	1st Aug. 1933	Rasidunnisa Begum, minor, under the guardianship of Hameedunnisa Begum.	Dated 24-4-36 I/1208.	Aug. 29, 1936.
202500	2,000	Sarojini Dabee	Feb. 1, 1932	Sarojini Dabee	Dt-271, dated 3-2-34	Oct. 27, 1934.
203465	1,000	P. C. Datta	Aug. 1, 1930.	Anantoram Dey	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932.
203672-74	100 each.	The Imperial Bank of India.	Aug. 1, 1931.	Sashi Bhusan Basu	Dt-3174, dated 8-11-33	Feb. 10, 1934.
204103	500					
204222	600	The Controller of the Currency and the Secretary and Treasurer, Imperial Bank of India.	Feb. 1, 1929	Ajoy Nath Mitter and Asoke Nath Mitter.	Dated 1-11-35 I/913.	Mar. 9, 1936.
204616	1,000	Prio Nath Banerjee	Aug. 1, 1930.	Tarapada Day	Dt-945/152—32, dated 9-4-32.	Aug. 13, 1932.
207513/14	1,000 each.	Kali Kinkar Gupta	Feb. 1, 1935	Norendra Krishna Dutt.	Dated 16-12-35 I/1216.	Mar. 9, 1936.
210337/38	100 each.	Basudeva Sahai Bhargava, Parmeshwar Saran Bhargava and the minor Krishan Prasad through his guardian Rai Radha Raman Bhargava Bahadur.	Ditto	Krishna Prasad Bhargava.	Dated 4-3-36 I/1232.	Aug. 29, 1936.
218123/25	100 each.	Monmotho Nath Dutt	Feb. 1, 1934	Pasupati Mukerjee	Dated 8-10-35 I/1215.	Mar. 9, 1936

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	Rs.	**Three and half per cent., 1842-1843**—*concld.*				
220690	10,000	The Allahabad Bank, Ltd.	1st Aug. 1935	Messrs. Gulraj Jaidayal.	Dated 11-6-36 I/1248.	Aug. 29, 1936.
222050	1,000	Girdhari Lal Dhand	Ditto	Girdhari Lal Dhand	Dated 30-3-36 I/1247.	Ditto.
		Three and half per cent., 1854-55.				
	Rs.					
B010043	5,000	The Mercantile Bank of India, Ltd.	June 30, 1904	Shambhuprasad Hariprasad, Dulerai Hariprasad, Shankarprasad Hariprasad and Navnidhrai Hariprasad.	Dt-377/134—32, dated 5-2-32.	Aug. 13, 1932.
*B016295	100	Burjorjee Nanabhoy Davur.	Dec. 31, 1904	Temooljee Sorabjee	Dt-789, dated 5-4-34	Oct. 27, 1934.
*B080718	500	Shankar Dattatraya Javadekar.	June 30, 1928	Dattatraya Jagannath Javadekar.	Dated 19-7-35 I-1210.	Aug. 17, 1935.
B091293	5,000	Ganpatrao Shankarrao Darekar.	Dec. 31, 1925	Ganpatrao Shankarrao Darekar.	Dt-996, dated 7-5-34	Oct. 27, 1934.
B091294	2,000					
B091295/97	500 each.					
B096189/90	100 each.	Pestonjee Byramjee Press, Khorshedbai Pestonjee Press, Pherozeshah, J. Marzban and Jehangir Pestonjee Press or any one of them.	Dec. 31, 1934	Hermogenes Fidelis Furtado.	Dated 19-12-35 I/1234.	Mar. 9,1936.
***B098502	5,000	Vajiram Manibhai or Biharilal Vajiram.	Dec. 31, 1933	Vaikunthlal Vajiram and Chhotigaori Vajiram or either of them.	Dated 11-12-35 I/1235.	Ditto.
B106943	500	The Imperial Bank of India.	June 30, 1932	Brij Bhushan Lal	Dt-2179, dated 10-8-33	Feb. 10, 1934.
B108095	1,000	The Bank of India, Ltd.	Ditto	Ditto	Ditto	Ditto.
B119094	10,000	Kamlavati Purshotamdas Munguldas.	Dec. 31, 1932	Gordhandas T. Mangaldas, Ishwardas Jagmohandas Mangaldas, Kisondas Jagmohandas Mangaldas and Khushaldas K. Parekh.	Dated 1-3-37 I/1332.	Aug. 28, 1937.
B124074/75	5,000 each.	Vaikunthlal Vajiram and Chhotigaori Vajiram or either of them.	Dec. 31, 1933	Vaikunthlal Vajiram and Chhotigaori Vajiram or either of them.	Dated 10-12-35 I/1220.	Mar. 9, 1936.
002171	1,000	Braja Behary Shome	Dec. 31, 1898	Benode Behary Shome.	Dt.-1341/873, dated 26-2-04.	Aug. 20, 1904.
062445	500	The Bank of Bengal	Dec. 31, 1909	Bimal Chandra Mitra and Sailendra Nath Mitra.	Dt-2031, dated 6-9-34	Mar. 16, 1935.
075328	500	Prosad Das Boral & Bros.	June 30, 1902	Lalit Mohan Dey	Dated 26-6-35 I/1195.	Aug. 17, 1935.
**143952	2,000	Horo Gobind Mookherjee	June 30, 1918	Amaresh Chandra Mukherjee.	Dated 9-7-36 I/1265.	Aug. 29, 1936.
*161218	5,000	The Bank of Bengal	June 30, 1919	Pooran Lall	Dt-3392, dated 4-12-33.	Feb. 10, 1934.
162051	100	N. Vadamma	June 30, 1924	N. Vadamma	Dt-3, dated 2-1-34	Ditto.

* Half Note—Duplicate issued.
** Half Note—Issue of duplicate authorised.
*** Partially destroyed Note—Duplicate issued.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A / D/2241-F., dated 3-7-20 / 18-2-35	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
		Three and half per cent., 1854-55—*contd.*				
	Rs.					
167950	1,000	Waman Shankar Deshpande.	Dec. 31, 1918	Yogiraj Kaniram Marwadi.	Dt-2458, dated 23-9-32	Feb. 18, 1933.
170629	100	Ditto	Ditto	Ditto	Ditto	Ditto.
175583/84	500 each.	Balkrishna Narayan Chitale and Vishwanath Narayan Sathe, Extrs. of R. Mahadik.	Dec. 31, 1925	Ganpatrao Shankarrao Darekar.	Dt-996, dated 7-5-34	Oct. 27, 1934.
=183113.	1,000	Taraprasanna Guha	Dec. 31, 1923	Taraprasanna Guha	Dt-146, dated 22-1-35 I/1169.	Aug. 17, 1935.
187824	500	Nocool Chandra Chatterji	Dec. 31, 1918	Nabo Kumar Chatterjee (with powers to draw interest only).	Dt-2016/17—32, dated 13-8-32.	Feb. 18, 1933.
188120	500	Ditto	Ditto	Ditto	Ditto	Ditto.
195845	1,000	Prosad Das Boral & Bros.	June 30, 1927	Makhan Lal Modak	Dt-614/98—30, dated 1-3-32.	Aug. 13, 1932.
196897	500	Makhan Lal Modak	Ditto	Ditto	Ditto	Ditto.
198262	500	Jaggo Mohun Pal	Dec. 31, 1925	Nibaron Chandra Guha Mustofee, Jogendra Nath Sen and Syam Chand Basak.	Dated 30-1-36 I/1184.	Aug. 29, 1936.
198707	500	Makhan Lal Modak	June 30, 1927	Makhan Lal Modak	Dt.-614/98—30, dated 1-3-32.	Aug. 13, 1932.
198835	1,000	The Punjab National Bank, Ltd.	Ditto	Ditto	Ditto	Ditto.
201842	100	Babu Ram and Ram Dulari or either.	Dec. 31, 1921	Babu Ram and Ram Dulari or either.	Dt-892/148—32, dated 4-4-32.	Ditto.
203257	500	Sarashi Bala Sinha	Dec. 31, 1922	Sarashi Bala Sinha	Dated 24-3-36 I/817.	Aug. 29, 1936.
203949	5,000	The Controller of the Currency and the Secy. and Treasurer, Imperial Bank of India.	June 30, 1929	Ajoy Nath Mitter and Asoke Nath Mitter.	Dated 1-11-35 I/913.	Mar. 9, 1936.
204525	1,000	Bidhumukhi Dassya	June 30, 1921	Subasini Majumdar, Indu Nivanani Roy and Nira Nalini Roy.	Dt-2822, dated 5-10-33	Feb. 10, 1934.
208148	1,000	The Accountant General, Posts and Telegraphs.	June 30, 1922	Jethalal Premji Goraksai.	Dt-2348, dated 4-10-34	Mar. 16, 1935.
208274	1,000	Chintamani	Dec. 31, 1931	Chintamani	Dt-304, dated 7-2-34	Oct. 27, 1934.
208614	10,000	The Controller of the Currency and the Secy. and Treasurer, Imperial Bank of India.	June 30, 1929	Ajoy Nath Mitter and Asoke Nath Mitter.	Dated 1-11-1935 I/913.	Mar. 9, 1936.
209122	25,000	Nathu Singh	June 30, 1930	Rai Bahadur Nathu Singh.	Dt-2069, dated 17-8-32	Feb. 18, 1933.
209375	100	Sidheswar De	Ditto	The Superintendent, Eden Sanitarium and Hospital, Darjeeling.	Dt-3445, dated 12-12-33	Feb. 10, 1934.
*210406.	800	The Imperial Bank of India.	Dec. 31, 1929	Badri Gopal Ranjitkar.	Dt-2968, dated 21-12-34	Mar. 16, 1935.
211540	1,000	Bhogilal J. Mody	June 30, 1929	Bhogilal J. Mody	Dated 11-8-36 I/1282.	Feb. 27, 1937.

* Half Notes—Duplicate issued.
= Half Notes—Issue of duplicates authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28, and 29 of G. I., F. D., Notn. No. 413-A / D/2241-F.' dated 3-7-20 / 18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
	Rs.	**Three and half per cent., 1854-55—*concld.***				
=212451	1,000	The Imperial Bank of India.	Dec. 31, 1929	Badri Gopal Ranjitkar.	Dt-2968, dated 21-12-34.	Mar. 16, 1935.
212766	1,000	Makhan Lal Modak	June 30, 1927	Makhan Lal Modak	Dt-614, dated 1-3-32 . 98—30	Aug. 13, 1932.
213221	500	Accountant General, Posts and Telegraphs.	June 30, 1923	Himat Manishanker and Chanchal Manishanker or either.	Dated 31-8-36 I/1097.	Feb. 27, 1937.
214481	300	Mumtaz Jahan Begum	June 30, 1925	Mumtaz Jahan Begum.	Dt-1517, dated 20-6-32 .	Aug. 13, 1932.
215228	1,000	Shora Binda Kanoongoy	June 30, 1931	Mohendra Kumar Kanungoe, Surendra Kumar Kanungoe, Debendra Kumar Kanungoe.	Dated 21-11-36 I/987.	Feb. 27, 1937.
=216595/98	1,000 each.	Taraprasanna Guha	Dec. 31, 1923	Taraprasanna Guha	Dt-146, dated 22-1-35 I/1169.	Aug. 17, 1935.
219235-36	1,000 each	The Imperial Bank of India.	Ditto	A. Chandler	Dated 15-7-37 I/720.	Aug. 28, 1937.
[illegible]602	500	Dogor Ram	June 30, 1931	Mengh Raj Chachra	Dated 30-5-36. I/1253.	Aug. 29, 1936.
223968	500	Bharat Das, Minor	Dec. 31, 1929	Mahant Bharat Das.	Dt-1468, dated 4-7-34.	Oct. 27, 1934.
225172	500	Bhavadev Chatterji	Dec. 31, 1925	Bhavadev Chatterji.	Dt-2967, dated 21-12-34.	Mar. 16, 1935.
225798	100					
225811	300					
225814	400					
226722	600	The Accountant-General, Posts and Telegraphs.	Dec. 31, 1929	The Collector-in-charge, Court of Wards Estate, Aligarh.	Dt-1799, dated 25-7-32 .	Feb. 18, 1933.
226725	700					
226729	800					
226735	900					
227113	200					
[illegible]881	500	Raghu Nath Prasad Pathak.	June 30, 1930	Raghu Nath Prased Pathak.	Dated 12-12-36 I/1041.	Feb. 27, 1937.
234508	500	The Accountant-General, Posts and Telegraphs.	Dec. 31, 1931	Mrs. A. E. Leatham	Dt-1734, dated 6-8-34 .	Mar. 16, 1935.
243740	500	Sudhir Kumar Mukherjee	Ditto	Sudhir Kumar Mukherjee.	Dt-2919, dated 14-11-32	Feb. 18, 1933.
252585	1,000	Baidya Nath Ghosh and Bhupendra Nath Ghosh, minors, through their guardian Saraswati Bala Ghosh.	Dec. 31, 1933	Baidya Nath Ghosh and Bhupendra Nath Ghosh, minors, through their guardian Saraswati Bala Ghosh.	Dated 8-6-35 I/1186.	Aug. 17, 1935.
253657	1,000	Hary Dass Banerjee	Dec. 31, 1936	Hary Dass Banerjee	Dated 10-12 37 I/1358.	Feb. 26, 1938.
253836	1,000	Allarakha & Sons	Dec. 31, 1935	A. H. Allarakha & Sons.	Dated 5-1-37 I/1277.	Feb. 27, 1937.
253838	500	Lakshmi Moni Dasi	Dec. 31, 1936	Sm. Lakshmi Moni Dasi.	Dated 9-11-37 I/1359.	Feb. 26, 1938.
256634	500	Girdhari Lal Dhand	June 30, 1935	Girdhari Lal Dhand	Dated 30-3-36 I/1247.	Aug. 29, 1936.
**257675.	1,000	Rasik Chandra Dutta	Ditto	Rasik Chandra Dutta	Dated 15-7-37 I/1303.	Aug. 28, 1937.

=Half Notes—Duplicate issued.
** Full Note—Duplicate issued without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D/2241-F., dated 3-7-20/18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
	Rs.	**Three and half per cent., 1865.**				
B099994 . .	1,500	Kamlavati Purshotamdas Munguldas.	Nov. 1, 1931	Gordhandas T. Mangaldas, Ishwardas Jagmohandas Mangaldas, Kisondas Jagmohandas Mangaldas and Khushaldas K. Parekh.	Dated 1-3-37 I/1332. . .	Aug. 28, 1937.
B100741 . .	1,000	Ganpat Shankarrao Darekar.	Nov. 1, 1925	Ganpatrao Shankarrao Darekar.	Dt-996, dated 7-5-34 .	Oct. 27, 1934.
B104030 . .	1,000	Krishnarao Ramchandra Madgavkar or Shantabai Madgavkar.	Nov. 1, 1934	Krishnarao Ramchandra Madgavkar.	Dated 21-2-36 I/1251. . .	Aug. 29, 1936.
B109422 . .	100	Ditto . .	Ditto .	Ditto .		
B113353 . .	100	Ditto . .	Ditto .	Ditto .		
B114949 . .	1,000	Ditto . .	Ditto .	Ditto .		
B115941/42 .	1,000 each.	The Central Bank of India, Ltd.	May 1, 1936	Soonabai Rustomji Batlivala and Maneckbai Framji Battlivala or either of them.	Dated 4-1-37 I/1328. . .	Feb. 27, 1937.
B117036 . .	500	Krishnarao Ramchandra Madgavkar or Shantabai Madgavkar.	Nov. 1, 1934	Krishnarao Ramchandra Madgavkar.	Dated 21-2-36 I/1251. . .	Aug. 29, 1936.
B117480-81 .	1,000 each.	Manekbai, P. H. Wadia	Nov. 1, 1931	Tribhovandas Narotamdas Malvi and Dharamdas Nogardas.	Dt-1139, dated 1-5-33 .	Aug. 5, 1933.
B120271 . .	100	Krishnarao Ramchandra Madgavkar or Shantabai Madgavkar.	Nov. 1, 1934	Krishnarao Ramchandra Madgavkar.	Dated 21-2-36 I/1251. . .	Aug. 29, 1936.
B120648 . .	1,000	The Accountant General, High Court, Bombay.	May 1, 1929	Karsondas Madhowji.	Dt-1082, dated 21-5-34 .	Oct. 27, 1934.
B131509 . .	500	Lakshmibai Gunjikar .	Ditto .	Lakshmibai Gunjikar	Dated 17-2-36 I/1250. . .	Aug. 29, 1936.
B134351 . .	1,000	Dadabhoy Bhicajee Cowasjee and Padamjee Jiwanjee.	May 1, 1933	Nergish Jal Kanga	Dated 11-11-36 I/1314. . .	Feb. 27, 1937.
B135919 . .	500	The Accountant General, High Court, Bombay.	May 1, 1929	Messrs. Chugonlal Gandhi & Co.	Dated 11-3-36 I/1252. . .	Aug. 29, 1936.
B137029 . .	1,000	Ditto . .	Ditto .	Ditto .	Ditto . . .	Ditto.
B137856 . .	500	Lakshmibai Gunjikar .	Ditto .	Lakshmibai Gunjikar	Dated 17-2-36 I/1250. . .	Ditto.
B140268 . .	10,000	The Imperial Bank of India.	Nov. 1, 1935	Behramji Sorabji Lalkaka, Barjor Hoshangji Vakil, Jehangir Rustom Vakil, Erach Sorabji Lalkaka and Jamshed Dorabsha Kothawala.	Dated 14-12-37 I/1369. . .	Feb. 26, 1938.
L10950 . .	2,300	Frederick, D. Hammond	Nov. 1, 1930	Brig.-General F. D. Hammond.	Dt-1005, dated 10-4-33 .	Aug. 5, 1933.
055321 . .	500	Annapurna Dassee and Gosto Lal Sen.	Nov. 1, 1899	Behari Lall Sain .	582/D, dated 12-9-05 .	Feb. 24, 19[illegible]
056870. . .	200	The Comptroller General	May 1, 1903	The Chief Manager, Dacca Nawab Estate.	Dated 29-9-36 I/730. . .	Feb. 27, 193[illegible]

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A. / D./2241-F.' dated 3-7-20 / 18-2-35'	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
	Rs.		Three and half per cent., 1865—*contd.*			
*085126	1,000	The Comptroller General	May 1, 1899	The Official Liquidator Dinshaw & Co. (Bankers), Ltd. (In Liquidation).	Dated 12-3-36. I/1165.	Aug. 29, 1936.
120609	1,000	Hari Dass Sreemany	May 1, 1906	Saroj Kumar, Sudhansu Kumar and Ajit Kumar Mullick, minors, through their guardian Kshitish Chandra Sarkar.	721/D, dated 10-11-1⁄	May 4, 1911.
206916	500	Bholanath Ghose (Administrator of Radhamani Dassi).	May 1, 1913	Bholanath Ghosh	Dt-687/103—24, dated 21-3-25.	Aug. 8, 1925.
226724	200	The Bank of Bengal	Nov. 1, 1915	Kali Das Ghose	Dt-1829, dated 12-7-33	Aug. 5, 1933.
233661/62	500 each.	The Mercantile Bank of India, Ltd.	May 1, 1914	Pandit Ratan Lal Atal for self and on behalf of Pandit Bishnu Lal Atal, Pandit Monmohan Lal Atal, Pandit Janki Nath Atal, Pandit Arjun Nath Atal, Pandit Hira Lal Atal and Pandit Kanhaiya Lal Atal.	Dated 31-8-36 I/182.	Feb. 27, 1937.
243344	1,000	Kooramoney Dassee, Executrix to the estate of Greesh Chunder Paul, deceased.	Nov. 1, 1915	Satyendra Kumar Bose.	Dt-1539, dated 23-6-31	August 1, 1931.
251467	100	The Bank of Bengal	Nov. 1, 1926	Latika Devi	Dated 2-10-35 I/1205.	Mar. 9, 1936.
254712/13	1,000 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
256043	200	Ditto	May 1, 1919	Sm. Hari Dassi Dassi	Dated 12-6-37 I/1224.	Aug. 28, 1937.
259436	1,000	Ditto	Nov. 1, 1923	Sm. Radharani Dasi and Sm. Sisubala Dasi.	Dated 26-6-35. I/912.	Aug. 17, 1935.
[illegible]4607	200	The Bank of Bengal	Ditto	Bala Devi	Dt-1835, dated 23-7-31	Feb. 6, 1932.
265298	1,000	Bidu Mookhee Dassee	May 1, 1922	Subasini Majumdar, Indu Nivanani Roy and Nira Nalini Roy.	Dt-2822, dated 5-10-33	Feb. 10, 1934.
269358	1,000	The Bank of Bengal	Nov. 1, 1923	Bala Devi	Dt-1835, dated 20-7-31	Feb. 6, 1932.
272885	1,000	Rakhma Bai Mahajan	Nov. 1, 1922	Sakharam Laxman Mahajan.	Dated 15-7-35 I/1196.	Aug. 17, 1935.
276460/61	500 each.	Bam Bahadur Rana and the minor Muni Ram Rana.	Nov. 1, 1921	Manohar Lal	Dt-2651, dated 24-11-34 I/1057.	Ditto.
276641	500	Kshirode Bhusan Set	May 1, 1925	Madhabendu Sett, Nanda Lall Sett and Kartick Chandra Sett, minors, through their Guardian Sm. Saraswati Dasi.	Dated 24-2-36 I/1229.	Aug. 29, 1936.
279891	300	Waman Shankar Deshpande.	Nov. 1, 1918	Yogiraj Kaniram Marwadi.	Dt-2458, dated 23-9-32	Feb. 18, 1933.
290430	500	Mohananda Kundoo	May 1, 1921	Mohananda Kundoo	Dt-1691, dated 30-7-34	Mar. 16, 1935.

*** Half-Note—Issue of duplicate authorised.**

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of order issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D./2241-F., dated 3-7-20/18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
	Rs.	Three and half per cent., 1865—*contd.*				
293241	1,000	Lalit Mohan Manna	May 1, 1927	Makhan Lal Modak	Dt-614/98—30, dated 1-3-32.	Aug. 13, 1932.
*294126	500	Ganesh and Laxman Waman Gadray or either.	May 1, 1925	Saraswatibai and Anant Raghunath Parchure or either.	Dt-1806, dated 26-7-32.	Feb. 18, 1933.
294318	300	Ram Nihora Rai	May 1, 1924	Ram Nihora Rai	Dated 2-11-37 I/880.	Feb. 26, 1938.
=295231.	1,000	Taraprasanna Guha	Nov. 1, 1923	Taraprasanna Guha	Dt-146, dated 22-1-35 I/1169.	Aug. 17, 1935.
296030	500	Rajendranath Dey	May 1, 1919	Sm. Hari Dassi Dassi	Dated 12-6-37 I/1224.	Aug. 28, 1937.
299946	500	Girish Chander Dey	Ditto	Surendra Nath Dey	Dated 30-9-35 I/1201.	Mar. 9, 1936.
299947	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
299950	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
301560	1,000	The Bank of Bengal	Ditto	Sm. Hari Dassi Dassi	Dated 12-6-37 I/1224.	Aug. 28, 1937.
303994	500	The Accountant General, Bengal.	May 1, 1927	Usanath Basu	Dt-1590, dated 16-7-34	Oct. 27, 1934.
305019	500	Nirode Kumari Dasi	Nov. 1, 1920	Manohar Lal	Dt-2659, dated 24-11-34.	Mar. 16, 1935.
306086-87	500 each.	Ganpatrao Shankarrao Darekar.	Nov. 1, 1925	Ganpatrao Shankarrao Darekar.	Dt-996, dated 7-5-34	Oct. 27, 1934.
306088	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
306436	100	Varidireddi Subbareddi.	Nov. 1, 1924.	V. Dasaratha Rami Reddi.	Dt-1061, dated 29-4-32.	Aug. 13, 1932.
308358	500	Hemlal Nag	May 1, 1927	Makhan Lal Modak	Dt-614/98—30, dated 1-3-32.	Ditto.
310653	1,000	Prosad Das Boral and Bros.	Ditto	Makhan Lal Modak.	Dt-614/98—30, dated 1-3-32.	Ditto.
310836	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
311760	1,000	Shaw Wallace & Co.	Ditto	Ditto	Ditto	Ditto.
314073	500	Makhan Lal Modak	Ditto	Ditto	Ditto	Ditto.
315044	500	Tribinash Ch. Mitter	Ditto	Ditto	Ditto	Ditto.
=319213.	100	The Allahabad Bank, Ltd.	Nov. 1, 1927	Chaudhri Abdul Majid.	Dated 7-10-36 I/1119.	Feb. 27, 1937.
323618	500	Suraj Bali Lal	Nov. 1, 1930.	Ram Samujh Lal, Ram Sundar Lal, Ram Kishan Lal, Ram Shanker Lal and Girja Shankar Lal.	Dt-2451, dated 25-10-34.	Mar. 16, 1935.
328469	1,000	Sarada Prosad Chowdhury.	Nov. 1, 1925	Nando Lall Banerjee	Dt-2531, dated 4-9-33	Feb. 10, 1934.
332348	1,000	Atul Krishna Ghosh	Nov. 1, 1927	Tarak Nath Ghosh, Radha Raman Ghosh, Radha Madan Ghosh, Radha Kisore Ghosh and Radha Moy Ghosh.	Dt-851, dated 2-4-31	Aug. 1, 1931.

* Half Note—Duplicate issued.
=Half Note—Issue of duplicate authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. $\frac{413\text{-A.}}{\text{D./2241-F.}}$, dated $\frac{3\text{-7-20}}{18\text{-2-35}}$.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
	Rs.	**Three and half per cent., 1865—*contd.***				
335948/50 .	100 each.	Mudun Mohan Roy .	Nov. 1, 1932	Tarak Nath Ghosh .	Dated 19-12-35 . . I/1227.	Mar. 9, 1936.
336478 . .	1,000	Lachhmidat and Suraj Narain.	May 1, 1928 .	Lachhmidat and Suraj Narain.	Dated 10-12-35 . . I/1121.	Ditto.
*338340 . .	1,000	Nabin Chandra Chowdhury.	Ditto .	Nabin Chandra Chowdhury.	Dated 22-6-37 . . I/783.	Aug. 28, 1937.
=338792/93 .	1,000 each.	Taraprasanna Guha .	Nov. 1, 1923	Taraprasanna Guha	Dt-146, dated 22-1-35. I/1169.	Aug. 17, 1935.
=338794/95 .	5,000 each.	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.
338991 . .	1,000	Sri Krishendev Narayan Singh.	Ditto .	Sri Krishendev Narayan Singh.	Dt-779/176—28, dated 25-4-28.	Aug. 4, 1928.
338992-93 .	500 each.	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
340789/90	500 each.	Bejoy Krishna Bondopadhyaya.	May 1, 1934	Nalini Kanta Banerjee, Niladri Kanta Banerjee and Himadri Kanta Banerjee.	Dated 2-8-37 . . I/1297.	Feb. 26, 1938.
=341626 .	500	The Association for the Education of the Muslimat in India.	Ditto	The Association for the Education of the Muslimat in India.	Dated 12-11-36 . . I/1286.	Feb. 27, 1937.
344724 . .	500	Gillanders Arbuthnot & Co.	Nov. 1, 1924	Mrigendra Nath Bose	Dated 2-9-37 . . I/900.	Feb. 26, 1938.
345820 . .	100	Abinash Chunder Dutt .	May 1, 1933	Amrita Lall Sen	Dt-287, dated 5-2-34 .	Oct. 27, 1934.
345868 . .	1,500	Tareney Charan Chatterjee.	Nov. 1, 1932	Nemai Charan Laha	Dated 13-9-37 . . I/1333.	Feb. 26, 1938.
345909 . .	500	Sham Piari . . .	Nov. 1, 1929	Shiam Piari . .	Dt-201, dated 29-1-34 .	Oct. 27, 1934.
347212 . .	500	G. C. Mandal . .	Nov. 1, 1930	Tarapada Day .	Dt-945/152—32, dated 9-4-32.	Aug. 13, 1932.
347576 . .	100	The Imperial Bank of India.	Nov. 1, 1932	Tarak Nath Ghosh .	Dated 19-12-35 . . I/1227.	Mar. 9, 1936.
351118 . .	500	The National Bank of India, Ltd.	Nov. 1, 1933	Shanker Lal Chowbey	Dated 14-1-37 . . I/1309.	Feb. 27, 1937.
353795 . .	500	Surja Kanto Basak	Nov. 1, 1927	Ajit Kumar Banerjee and Ranjit Kumar Banerjee, minors, through their guardian Durga Prosad Banerjee.	Dt-724, dated 24-3-34 .	Oct. 27, 1934.
357241 . .	500	Hurry Lall Bhudder .	Nov. 1, 1930	Anantaram Dey .	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932.
360168 . .	1,000	The Imperial Bank of India.	Ditto .	Ditto . .	Ditto . .	Ditto.
361531 . .	100	The Controller of the Currency.	Ditto .	Ditto . .	Ditto . .	Ditto.
326089 . .	100	Abala Bala Sarcar. .	May 1, 1930	Abala Bala Sarcar .	Dt-2558, dated 3-11-34 .	Mar. 16, 1935.
362330 . .	500	The Imperial Bank of India.	Nov. 1, 1930	Anantaram Dey .	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932.
362435 . .	200	Ditto . .	Nov. 1, 1935	Mrs. Ramabai Palekar.	Dated 17-6-37 . . I/1299.	Aug. 28, 1937.

* Half Note—Duplicate issued.
= Half Notes—Issue of duplicate authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D./2241-F., dated 3-7-20./18-2-35	Date of publication under X of 1920 list in which Security was first mentioned
		Three and half per cent., 1865—*contd.*				
	Rs.					
363969 . .	500	Ramendra Kristo Mitra, Borendra Kristo Mitra, Fanindra Kristo Mitra and Gunendra Kristo Mitra or any one of them.	Nov. 1, 1930	Anantaram Dey .	Dt-946/153—32, dated 11-4-32.	Aug. 13, 193[illegible]
365191 . .	5,000	The Imperial Bank of India.	Nov. 1, 1931	Rajani Kanto Dass	Dt-908/150—32, dated 5-4-32.	Ditto.
365238 . .	500	Jogendra Nath Mitra .	Nov. 1, 1930	Tarapada Day .	Dt-945/152—32, dated 9-4-32.	Ditto.
368038 . .	1,000	Promodini Gupta . .	May 1, 1934	Promodini Gupta .	Dt-298, dated 13-2-35 I/1161.	Aug. 17, 193[illegible]
368254 . .	500	The Imperial Bank of India.	Nov. 1, 1932.	Tarak Nath Ghosh .	Dated 19-12-35 . . I/1227.	Mar. 9, 1936.
368814 . .	100	Banimadhab Ghosh .	Ditto .	Ditto . .	Ditto . .	Ditto.
368815 . .	200	Ditto . . .	Ditto .	Ditto . .	Ditto . . .	Ditto.
368816 . .	100	Ditto . . .	Ditto .	Ditto	Ditto . . .	Ditto.
372218 . .	200	Panchkarry Chattopadhya.	Nov. 1, 1933	Panchkarry Chattopadhya.	Dt-1522, dated 11-7-34	Oct. 27, 1934.
373814 . .	2,000	A. E. Leatham . .	Nov. 1, 1931	Mrs. A. E. Leatham	Dt-1734, dated 6-8-34 .	Mar. 16, 1935.
377656 . .	10,000	The Imperial Bank of India.	Nov. 1, 1932	Sir Devaprasad Sarvadhikary and Sm. Sarojini Sarvadhikary.	Dt-2698, dated 15-9-33 .	Feb. 10, 1934.
378479 . .	500	Sisir Kumar Majumdar .	May 1, 1932	Sisir Kumar Majumdar.	Dt-863, dated 17-4-34 .	Oct. 27, 1934.
380987 . .	1,000	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.
381248 . .	1,000	The Imperial Bank of India.	Nov. 1, 1931	Abdul Gaffar Mandal	Dt-11, dated 4-1-34 .	Feb. 10, 1934
381425 . .	500	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
382038 . .	100	Banimadhab Ghosh .	Nov. 1, 1932.	Tarak Nath Ghosh .	Dated 19-12-35 . . I/1227.	Mar. 9, 1936.
382712 . .	500	Panchkarry Chattopadhya.	Nov. 1, 1933	Panchkarry Chattopadhya.	Dt-1522, dated 11-7-34 .	Oct. 27, 1934.
382713 . .	1,000					
382714 . .	200					
†384988 . .	2,000	E. J. R. Newing . .	Nov. 1, 1934	Miss E. J. R. Newing	Dated 15-1-37 . . I/1285.	Feb. 27, 1937.
386311 . .	5,000	The Bank of India, Ltd.	Nov. 1, 1932.	Sir Devaprasad Sarvadhikary and Sm. Sarojini Sarvadhikary.	Dt-2698, dated 15-9-33 .	Feb. 10, 1934
386563 . .	500	Durgarani Devi . .	May 1, 1932	Durgarani Devi .	Dt-2844, dated 12-12-34.	Mar. 16, 1935
406674 . .	2,500	Prosad Das Boral and Bros.	Nov. 1, 1935	Mrs. Ramabai Palekar.	Dated 17-6-37 . . I/1299.	Aug. 28, 1937
		Three and half per cent., 1879.				
B025653/54 .	100 each.	Krishnarao Vithali Kirtikar.	Jan. 16, 1934	Krishnarao Vithali Kirtikar.	Dt-449, dated 5-3-35 I/1191.	Aug. 17, 193[illegible]
025649 . .	100	Waman Shankar Deshpande.	Jan. 16, 1919	Yogiraj Kaniram Marwadi.	Dt-2458, dated 23-9-32 .	Feb. 18, 1933
025906 . .	2,000	Gangadhar Rao, Narayan Dhanday.	Jan. 16, 1918	Gangadhar Rao, Narayan Dhanday.	Dt-168/217—22, dated 18-1-24.	Aug. 23, 192[illegible]
*029493 . .	500	Narendra Nath Chatterjee	July 16, 1921	Sm. Charubala Debi and Ranjit K. Chatterjee.	Dt-26, dated 6-1-34 .	Feb. 10, 1934

† Half Note—Duplicate Issued.
* Partially destroyed Note—Duplicate issued.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I.. F. D., Notn. No. 413-A. / D./2241-F.' dated 3-7-20 / 18-2-35'	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
			Three and half per cent., 1900-01.			
B098554 .	500	Shankar Dattatraya Javadekar.	June 30, 1928	Dattatraya Jagannath Javadekar.	Dated 19-7-35 . . I/1210.	Aug. 17, 1935.
B099487 . .	1,000	The Central Bank of India, Ltd.	Dec. 31, 1927	The Deputy Commissioner, Chhindwara.	Dt-639, dated 16-3-34 .	Oct. 27, 1934.
B107536 . .	100	The Deputy Controller of the Currency, Bombay.	June 30, 1922	Murlidhar Parashram Chumble.	Dt-615/231—29, dated 1-3-32.	Aug. 13, 1932.
B109081 . .	500	Merbai Nowroji	June 30, 1932	Rustom Edulji Basta	Dt-200, dated 29-1-34 .	Oct. 27, 1934.
B127565. .	1,000	Manibai . .	June 30, 1930	Manibai . .	Dt-2530, dated 30-9-32 .	Feb. 18, 1933.
B139248 . .	1,000	Bank of India, Ltd. .	Dec. 31, 1934	Hermogenes Fidelis Furtado.	Dated 19-12-35 . . I/1234.	Mar. 9, 1936
B151076 . .	100	Bai Suraj . . .	June 30, 1929	Bai Suraj . .	Dt-1680, dated 27-6-33 .	Aug. 5, 1933.
B190141 .	1,000	The Imperial Bank of India.	Dec. 31, 1935	Behramji Sorabji Lalkaka, Barjor Hoshangji Vakil, Jehangir Rustom Vakil, Erach Sorabji Lalkaka and Jamshed Dorabsha Kothawala.	Dated 14-12-37 . . I/1369.	Feb. 26, 1938.
**B197242 .	500	Hormasji B. Vakil, Bejanji Ardeshar Vakil and Meherbai Behramshaw Vakil or any one of them.	June 30, 1934	Hormasji B. Vakil, Bejanji Ardeshar Vakil and Meherbai Behramshaw Vakil or any one of them.	Dated 17-4-35 . . RA/A61/35.	Aug. 17, 1935.
B206378 .	1,000	Behramji Sorabji Lalkaka, Barjor Hoshangji Vakil, Jehangir Rustom Vakil, Erach Sorabji Lalkaka and Jamshed Dorabsha Kothawala.	Dec. 31, 1935	Behramji Sorabji Lalkaka, Barjor Hoshangji Vakil, Jehangir Rustom-Vakil, Erach Sorabji Lalkaka and Jamshed Dorabsha Kothawala.	Dated 14-12-37 . . I/1369.	Feb. 26, 1938.
M005660 .	2,000	K. Krishnaswami Nayudu.	June 30, 1927	The Chairman, Board of Trustees, Lakshmana Swami, Town Hall, Vellore.	Dated 17-2-36 . . I/1246.	Aug. 29, 1936.
008769 . .	1,000	The National Bank of India, Ltd.	Dec. 31, 1900	Appaji Appah .	Dated 18-4-35 . . I/133.	Aug. 17, 1935.
13942 . .	1,000	The Bank of Bengal .	June 30, 1908	Ganesh Chandra Ghosh.	Dt-2146, dated 9-8-33 .	Feb. 10, 1934.
016441 . .	500	Ditto . .	Dec. 31, 1909	Bimal Chandra Mitra and Sailendra Nath Mitra.	Dt-2031, dated 6-9-34 .	Mar. 16, 1935.
033721 . .	500	P. G. & W. Sawoo .	Dec. 31, 1913	Bama Sundari Dasi	Dt-761/244B—20, dated 6-3-22.	Aug. 23, 1922.
043483 . .	1,000	The Alliance Bank of Simla, Ltd.	June 30, 1907	Ram Prosanna Dutt, Ramendra Sundar Dutt and Ramjiban Dutt.	Dated 6-12-35 . . I/879.	Mar. 9, 1936.
047159 . .	1,000	Prosad Das Boral and Bros.	June 30, 1905	Sarala Sundari Debi	Dt-371/1—16, dated 22-2-18.	Aug. 24, 1918.
059647 . .	100	Ditto . . .	Dec. 31, 1908	Bharat Chandra Dhar	Dt-1604, dated 19-6-33 .	Aug. 5, 1933.
090611-12 .	1,000 each.	The Bank of Bengal .	Dec. 31, 1919	Nitya Gopal Lahiry, Broja Gopal Lahiry, Jogesh Chandra Lahiry for self and as guardian of the minors Santi Kumar Lahiry, Kartick Kumar Lahiry and Sadhon Kumar Lahiry.	Dated 4-6-37 . . I/400C.	Aug. 28, 1937.

** Full Note—Duplicate issued without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. $\frac{413\text{-A.}}{\text{D/2241-F.}}$, dated $\frac{3\text{-}7\text{-}20}{18\text{-}2\text{-}36}$.	Date of publication under A X of 1920 of list in which Security first mention
	Rs.	**Three and half per cent., 1900-01—*contd.***				
093792 . .	100	Prosad Das Boral and Bros.	Dec. 31, 1907	Kshitindra Nath Tagore.	Dated 9-12-36 . . I/1271.	Feb. 27, 193
093793 . .	100	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.
108577 . .	100	Ditto . .	Dec. 31, 1908	Bharat Chandra Dhar	Dt-1604, dated 19-6-33 .	Aug. 5, 193
117459 . .	500	Ditto . .	Dec. 31, 1909	Sm. Sarala Bala Debi, certificate holder (with powers to draw interest only) to the estate of Charu Prosad Chatterjee (since deceased).	Dated 21-7-37 . . I/1341.	Aug. 28, 193
171704 . .	500	The Bank of Bengal .	Dec. 31, 1915	Pramadiny Ghose .	Dt-1705, dated 29-6-33 .	Aug. 5, 193
173923 . .	1,000	Ditto . .	June 30, 1915	Mahadeb Mundol .	Dt-447, dated 5-3-35. I/1.	Aug. 17, 193
175296-98 .	100 each.	Prosad Das Boral & Bros.	June 30, 1913	Santosh Kumar Mittra.	Dt-1049/239—18, dated 19-5-21.	Aug. 13, 192
*185120 . .	1,000	The Bank of Bengal .	June 30, 1919	Pooran Lal . .	Dt-3392, dated 4-12-33 .	Feb. 10, 193
185345 . .	2,000	Prosad Das Boral & Bros.	June 30, 1913	Raja Sarat Chandra Rai Choudhuri.	Dated 17-9-36 . . I/424.	Feb. 27, 193
187603 . .	100	Ditto . .	Dec. 31, 1923	Satya Charan Mookherjee.	Dt-242, dated 2-2-33 .	Aug. 5, 193
191670 . .	100	Purna Chandra Sinha .	Ditto .	Ditto . .	Ditto . .	Ditto.
202171 . .	1,000	Bhoobun Mohini Dabee .	June 30, 1919	Sasti Money Deby .	Dated 5-1-37 . . I/1290.	Feb. 27, 193
208643 . .	2,000	Kanshi Ram . .	June 30, 1918	Deoki Nandan Sood and Rattan Lall Sood.	Dt-2894, dated 12-10-33	Feb. 10, 193
210775 . .	5,000	The Bank of Bengal .	June 30, 1924	Abdur Rahman and Khalilur Rahman.	Dated 8-1-37 . . I/1254.	Feb. 27, 193
214698-99 .	500 each.	Waman Shankar Deshpande.	Dec. 31 1918	Yogiraj Kaniram Marwadi.	Dt-2458, dated 23-9-32 .	Feb. 18, 193
215794 . .	1,000	Hriday Nath Pramanik .	Dec. 31, 1923	Sm. Radharani Dasi and Sm. Sisubala Dasi.	Dated 26-6-35 . . I/912.	Aug. 17, 193
217144 . .	500	Waman Shankar Deshpande.	Dec. 31, 1918	Yogiraj Kaniram Marwadi.	Dt-2458, dated 23-9-32.	Feb. 18, 193
234939 . .	500	The Bank of Bengal .	Ditto .	Sm. Hari Dassi Dassi	Dated 12-6-37 . . I/1224.	Aug. 28, 193
239429 . .	500	Prosad Das Boral & Bros.	June 30, 1918	The Hony. Secy., R. Mitra H. E. School, Deoghar.	Dated 12-8-35 . . I/1154.	Mar. 9, 193
239525 . .	100	Ram Nihora Rai . .	June 30, 1924	Ram Nihora Rai .	Dated 2-9-37 . . I/880.	Feb. 26, 19
241035 . .	100	The Accountant-General, Posts and Telegraphs.	Dec. 31, 1923	Satya Charan Mukherjee.	Dt-242, dated 2-2-33 .	Aug. 5, 193
241052 . .	400	Ditto . .	June 30, 1918	Gagan Chandra Mudli, Bhuban Chandra Mudli and the minor Santosh Chandra Mudli (through his guardian, Gagan Chandra Mudli).	Dt-2101, dated 12-10-28	Feb. 2, 192
249435 . .	300	Sreedhar Chandra Saha	June 30, 1927	Makhan Lal Modak	Dt-614/98—30, dated 1-3-32.	Aug. 13, 19

*Half Note—Duplicate issued.

[N]o. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D/2241-F., dated 3-7-20/18-2-35.	Date of publication under Act X of 1920 of list in which the Security was first mentioned.
		Three and half per cent., 1900-01—*contd.*				
	Rs.					
5053	100	Kshirode Bhusan Set	June 30, 1928	Madhabendu Sett, Nunda Lall Sett and Kartick Chandra Sett, minors, through their guardian Sm. Saraswati Dasi.	Dated 24-2-36 I/1229.	Aug. 29, 1936.
7637	1,000	Makhan Lal Modak	June 30, 1927	Makhan Lal Modak	Dt-614/98—30, dated 1-3-32.	Aug. 13, 1932.
7641	500	Ditto	Ditto	Ditto	Ditto	Ditto.
1725-26	100 each.	The Accountant General, Bengal.	Dec. 31, 1923	Shiv Shankar Bhargava.	Dt-2908, dated 13-10-33	Feb. 10, 1934.
3684	100	The Allahabad Bank, Ltd.	June 30, 1924	Deepchand (K. D.) Chullany.	Dated 16-5-35 I/1148.	Aug. 17, 1935
7291	300	Preo Lal Mallik	June 30, 1927	Makhan Lal Modak	Dt-614/98—30, dated 1-3-32.	Aug. 13, 1932.
[..]298	500	Navalchand Chhaganlal	June 30, 1929	The Union Education Society, Surat.	Dated 17-12-36 I/1298.	Feb. 27, 1937.
2888	100	The Allahabad Bank, Ld.	Dec. 31, 1929	Govind Lall	Dt-1633/169—32, dated 4-7-32.	Aug. 13, 1932.
9120	†1,000	Ranjit Kumar Chatterjee	June 30, 1927	Makhan Lall Modak	Dt-614/98—30, dated 1-3-32.	Ditto.
9206	600	The Accountant-General, Posts and Telegraphs.	June 30, 1923	Manilal Kaviraj	Dt-1155, dated 11-5-31	Aug. 1, 1931.
9217	900	Ditto	Ditto	Ditto	Ditto	Ditto.
5932	500	Monorama Debi	June 30, 1927	Ajit Kumar Banerjee and Ranjit Kumar Banerjee, minors, through their guardian, Durga Prosad Banerjee.	Dt-724, dated 24-3-34	Oct. 27, 1934.
7830	100	The Allahabad Bank, Ld.	Dec. 31, 1929	Govind Lall	Dt-1633/169—32, dated 4-7-32.	Aug. 13, 1932.
[.]2266	1,000	Ashutosh Chatterjee	June 30, 1932	Nemai Charan Laha	Dated 13-9-37 I/1333.	Feb. 26, 1938.
[.]563	5,000	Sorab K. H. Katrak	Dec. 31, 1932	Sorab K. H. Katrak	Dt-1733, dated 9-8-34	Mar. 16, 1935.
6117	700	Surja Kanto Basack	Dec. 31, 1927	Ajit Kumar Banerjee and Ranjit Kumar Banerjee, minors, through their guardian, Durga Prosad Banerjee.	Dt-724, dated 24-3-34	Oct. 27, 1934.
[.]1396	100	Bhabesh Bhabini Dassee	Dec. 31, 1932	Bhabesh Bhabini Dassee.	Dated 10-9-36 I/1280.	Feb. 27, 1937.
[.]9114-15†	500 each.	Bhikaji Balkrishna Korfade.	Dec. 31, 1926	Dhonda Krishna Sathe.	Dt-1219, dated 9-5-33	Aug. 5, 1933.
[.]9917	500	Bhabesh Bhabini Dassee	Dec. 31, 1932	Bhabesh Bhabini Dassee.	Dated 10-9-36 I/1280.	Feb. 27, 1937.
[.]9974	1,000	The Chairman, District Board, Cawnpore.	Dec. 31, 1930	The Chairman, District Board, Cawnpore.	Dt-2253, dated 16-8-33	Feb. 10, 1934
[.]2033	100	The Allahabad Bank, Ld.	Ditto	Raghbir Saran	Dt-1633/169—32, dated 4-7-32.	Aug. 13, 1932.
[.]4539	1,000	Suren Bala Debi	Dec. 31, 1931	Suren Bala Debi	Dt-1138, dated 1-5-33	Aug. 5, 1933.

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† Partially destroyed Note—Issue of duplicate authorised.

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	Rs.	**Three and half per cent., 1900-01**—*contd.*				
318834 . .	1,000	Shose Bhuson Bhattacharjee.	Dec. 31, 1932	Shose Bhusan Bhattacharjee.	Dt-1295, dated 14-6-34 .	Oct. 27, 1[illegible]
**319037 .	3,000	Gurudas Chatterjee .	June 30, 1933	Durga Kinkar Chatterjee.	Dated 6-2-36 . . I/1242.	Aug. 29, 1[illegible]
323222 . .	100	The Allahabad Bank, Ld.	Dec. 31, 1930	Jagan Nath . .	Dt-1632/169—32, dated 4-7-32.	Aug. 13, 1[illegible]
323223-26 .	100 each.	Ditto .	Ditto .	Raghbir Saran .	Ditto . .	Ditto.
323880 . .	500	Surja Kanto Basak .	Dec. 31, 1927	Ajit Kumar Banerjee and Ranjit Kumar Banerjee, minors, through their guardian, Durga Prosad Banerjee.	Dt-724, dated 24-3-34 .	Oct. 27, 1[illegible]
333268 . .	500	Prosad Das Boral & Bros.	June 30, 1933	Sm. Pateswari Debi	Dated 1-3-37 . . I/1263.	Aug. 28, 1[illegible]
333496-97 .	1,000 each.	Ditto .	Ditto .	Ditto .	Ditto . .	Ditto.
333672 . .	1,000	Ditto .	Ditto .	Ditto .	Ditto . .	Ditto.
***334360-61 .	500 each.	Lalit Mohan Mukherjea .	Dec. 31, 1934	The Gauhati Loan Office Ltd., (Bank of the East Ltd.).	Dated 15-6-37 . . I/1300.	Ditto.
334432-33 .	100 each.	Prosad Das Boral & Bros.	June 30, 1933	Pateswari Debi .	Dated 1-3-37 . . I/1263.	Ditto.
337869 . .	500	Bhuban Chandra Dass and Bhairab Chandra Dass, minors, through their guardian Bharat Chandra Das empowered under Act 39 of 1925 to negotiate.	June 30, 1930	Bhuban Chandra Das and the minor, Bhairab Chandra Das, under the guardianship of Lakhinath Das and Sm. Bitopeni Dassya.	Dated 27-4-36 . . I/1217.	Aug. 29, 1[illegible]
337872 . .	100	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.
338361 . .	1,000	Madhub Chunder Dey .	June 30, 1928	Madhab Chandra Dey	Dt-2955, dated 17-10-33.	Feb. 10, 1[illegible]
341018-19 .	100 each.	The Allahabad Bank, Ld.	Dec. 31, 1928	Kundan Lal Bhargava.	Dt-1633/169—32, dated 4-7-32.	Aug. 13, 1[illegible]
*341141 . .	100	Panchcouri Bhattacharjee	June 30, 1931	Prababati Debi .	Dt-831, dated 22-3-33 .	Aug. 5, 1[illegible]
341443 . .	600	E. C. Dickinson . .	Dec. 31, 1935	Mrs. Kathleen Maude Winckler.	Dated 10-11-37 . I/1301.	Feb. 26, 1[illegible]
344120 . .	100	Hari Charan Boral .	Dec. 31, 1932	Kanai Lall Dutt .	Dated 17-9-36 . . I/1281.	Feb. 27, 1[illegible]
345638 . .	1,000	Panchkarry Chattopadhya.	June 30, 1933	Panchkarry Chattopadhya.	Dt-1522, dated 11-7-34 .	Oct. 27, 1[illegible]
347557-58 .	1,000 each.	Upendra Nath Dutt .	Dec. 31, 1931	Upendra Nath Dutt	Dt-2130, dated 23-8-32 .	Feb. 18, 1[illegible]
348347 . .	1,000	Jagodish Chandra Sett .	Dec. 31, 1930	Jagadish Chandra Sett.	Dt-574/138—32, dated 25-2-32.	Aug. 13, 1[illegible]
*350066/68 .	1,000 each.	Sm. Saila Bala Dasi .	June 30, 1936	Saila Bala Dasi .	Dated 14-1-37 . . I/1316.	Feb. 27, 1[illegible]
350742-43	1,000 each.	Banku Behari Chatterjee	Dec. 31, 1930	Banku Behary Chatterjee.	Dt-1572/168—32, dated 25-6-32.	Aug. 13, 1[illegible]
**357092 . .	1,000	Nemai Charan Laha .	Dec. 31, 1934	Nemai Charan Laha	Dated 13-9-37 . . I/1333.	Feb. 26, 1[illegible]
357141 . .	1,000	Amarta Lal Banerji .	Dec. 31, 1930	Amarta Lal Banerji	Dt-808/146—32, dated 23-3-32.	Aug. 13, [illegible]

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	Rs.	**Three and half per cent., 1900-01—*contd.***				
[illegible]8175 . .	500	Santeemoyi Mukerji .	Dec. 31, 1930	Santeemoyi Mukerji	Dated 4-4-35 . . I/1183.	Aug. 17, 1935.
[illegible]079 . .	1,000	Durga Prosad Basu .	June 30, 1932	Durga Prosad Bose	Dt-480, dated 18-2-33 .	Aug. 5, 1933.
[illegible]292 . .	100	The Imperial Bank of India.	Dec. 31, 1931	Abdul Goffar Mandal	Dt-11, dated 4-1-34 .	Feb. 10, 1934.
[illegible]425 . .	100					
[illegible]551 . .	500					
[illegible]552 . .	1,000					
[illegible]390-93 .	1,000 each.	Panchkarry Chattopadhya.	June 30, 1933	Panchkarry Chattopadhya.	Dt-1522, dated 11-7-34 .	Oct. 27, 1934.
[illegible]394-95 .	500 each.					
[illegible]69/74 .	100 each.	Basudeva Sahai Bhargava, Parmeshwar Saran Bhargava and the minor Krishna Prasad through his guardian Rai Radha Raman Bhargava Bahadur.	June 30, 1935	Krishna Prasad Bhargava.	Dated 4-3-36 . . I/1232.	Aug. 29, 1936.
[illegible]26 . .	100	Kanai Lall Dutt . .	Dec. 31, 1932	Kanai Lall Dutt .	Dated 17-9-36 . . I/1281.	Feb. 27, 1937.
[illegible]45-46 .	100 each.	Byramji Edulji Lala .	June 30, 1931	Byramji Edulji Lala	Dt-3040, dated 24-11-32	Feb. 18, 1933.
[illegible]176/77 .	1,000 each.	Tarapada Sarkar .	June 30, 1935	Tarapada Sarkar .	Dated 6-10-37 . . I/1315.	Feb. 26, 1938.
[illegible]68-71 .	1,000 each.	Panchkarry Chattopadhya.	June 30, 1933	Panchkarry Chattopadhya.	Dt-1522, dated 11-7-34 .	Oct. 27, 1934.
[illegible]33 . .	1,000	The Bank of India, Ld.	June 30, 1931	Nandalal Das and Radharani Dassi or either of them.	Dt-744, dated 14-3-33 .	Aug. 5, 1933.
[illegible]79-82 .	1,000 each.	Panchkarry Chattopadhya.	June 30, 1933	Panchkarry Chattopadhya.	Dt-1522, dated 11-7-34 .	Oct. 27, 1934.
[illegible]00 . .	1,000	Sarah N. Javeri . .	Dec. 31, 1931	Mrs. Sarah Naval Javeri.	Dt-2736, dated 27-10-32.	Feb. 18, 1933.
[illegible]43 . .	100	Bhabesh Bhabini Dassee	Dec. 31, 1932	Bhabesh Bhabini Dassee.	Dated 10-9-36 . . I/1280.	Feb. 27, 1937.
[illegible]21 . .	3,000	Durga Kinkar Chatterjee	June 30, 1934	Durga Kinkar Chatterjee.	Dated 6-2-36 . . I/1242.	Aug. 29, 1936.
[illegible] . .	1,000	The Controller of the Currency.	June 30, 1932	Controller of the Currency on behalf of Nadir Shah R. Mehta and Sons.	Sec. 64, dated 12-1-33 .	Feb. 18, 1933.
[illegible]061 . .	1,000	Ditto . .	Ditto	Ditto . .	Ditto . .	Ditto.
[illegible]20/21 .	1,000 each.	Debrani Ghose . .	June 30, 1934	Sm. Debrani Ghose	Dated 19-2-36 . . I/1244.	Aug. 29, 1936.
[illegible]147 . .	5,000	Radharani Dassi . .	June 30, 1936	The Manager, Allahabad Bank Ltd., Calcutta.	Dated 10-4-37 I/1305.	Aug. 28, 1937.
[illegible]642 . .	1,000	Durga Kinkar Chatterjee	June 30, 1933	Durga Kinkar Chatterjee.	Dated 6-2-36 . . I/1242.	Aug. 29, 1936.
[illegible]40 . .	1,000	Ashutosh Mullick . .	Dec. 31, 1934	Ashutosh Mullick .	Dated 6-10-37 . . I/1342.	Feb. 26, 1938.
[illegible]73 . .	100	Laksmi Moni Dasi .	Dec. 31, 1936	Sm. Laksmi Moni Dasi.	Dated 9-11-37 . . I/1359.	Ditto.
[illegible]964/65	1,000 each.	Nemai Charan Laha .	Dec. 31, 1934	Nemai Charan Laha	Dated 13-9-37 . . I/1333.	Ditto.
[illegible]930 . .	1,800	Bank of India, Ld. .	Dec. 31, 1935	Mrs. Ramabai Palekar.	Dated 17-6-37 . . I/1299.	Aug. 28, 1937.

†Half Note—Duplicate issued.
‡Full Notes—Duplicates issued without usual formalities.
*Partially destroyed Note—Issue of duplicate authorised.

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	Rs.					
		Three and half per cent., 1900-01—*concld.*				
390569 . .	500	Udoya Chunder Bose .	Dec. 31, 1935	Mrs. Ramabai Palekar.	Dated 17-6-37 I/1299. . .	Aug. 28, 1
392471 . .	500	Monindra Nath Chatterjee and Jitendra Nath Chatterjee or either of them.	Ditto .	Jitendra Nath Chatterjee.	Dated 18-9-36 I/1257. . .	Feb. 27, 1
394181 . .	500	Mengh Raj . . .	June 30, 1936	Mengh Raj . .	Dated 29-9-37 I/1312. . .	Feb. 26, 1
		Three and half per cent., 1947-50.				
**D002793/95 .	100 each.	The Imperial Bank of India.	Nov. 15, 1933	Reed Ward & Co. .	Dt-1957, dated 29-8-34 .	Mar. 16, 1
**E000257/58 .	200 each.	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.
**G003741 .	1,000	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.
**G003778 .	1,000	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.
H001799 / DH002749 . .	5,000	Ditto . .	May 15, 1936	The Registrar, Co-operative Societies, U. P., Lucknow.	Dated 18-6-37 I/1320. . .	Aug. 28, 1
**K001785 .	25,000	Ditto . .	Nov. 15, 1934	The Central Bank of India, Ltd.	Dated 18-6-35 I/1199. . .	Aug. 17, 1
		Four per cent., 1842-43.				
Non-Transferable Treasury Note C 149181/1428-82.	1,000	The Bank of Bengal .	Feb. 1, 1888	Bidhu Mukhi Dasi .	392/703, dated 4-8-10 .	Mar. 4, 1
149571 . .	1,000	Ram Lall . . .	Aug. 1, 1886.	Lallah Luchman Pershad.	499/D, dated 29-7-91 .	Feb. 6, 1
206097 . .	100	Shibdeen Sookul . .	Feb. 1, 1891 .	Upendra Nath Ghosh.	Dated 17-1-36 I/1239. . .	Mar. 9, 1
		Four per cent., 1854-55.				
011251 . .	1,000	Bidya Soondary Dasi .	June 30, 1868	Lalbihari Basak .	828/D, dated 29-10-02 .	Feb. 6, 1
		Four per cent., 1865.				
284841 . .	100	Ram Sudhir Cowar .	May 1, 1889 .	Upendra Nath Ghosh.	Dated 17-1-36 I/1239. . .	Mar. 9, 1
		Four per cent., 1879.				
062887 . .	500	Mohomedbhoy Rowjee Labai and Ibrahimbhoy Mohamedbhoy.	July 16, 1887	Atmaram Damodher	Dt-434, dated 25-7-92 .	Feb. 11, 1
		Four per cent., 1916-17.				
023372 . .	500	Mohendra Nath Biswas .	Oct. 1, 1930 .	Jotindra Nath Biswas, Fanindra Nath Biswas and Gopinath Biswas.	Dt-652, dated 19-3-34. .	Oct. 27, 1
024693 . .	100	Nazir Ahmad . .	Oct. 1, 1929 .	Syed Nazir Ahmed .	Dt-3191, dated 10-11-33	Feb. 10, 1
†025222-23 .	25,000 each.	Place, Siddons and Gough	Oct. 1, 1932 .	Messrs. Place, Siddons and Gough.	Dt-1695/66-33, dated 28-6-33.	Aug. 5, 1
		Four per cent., 1934-37.				
D004997 . .	100	The Imperial Bank of India.	Aug. 1, 1929.	Janki Pershad & Sons	Dt-2562, dated 11-10-30.	Feb. 21, 1
G000286 . .	1,000	Ditto . .	Ditto .	The Chairman, Municipal Board, Cawnpore.	Dt-2651, dated 21-10-32.	Feb. 18, 1
		Four per cent., 1960-70.				
B001581 . / BY008304 .	5,000	The Hong Kong and Shanghai Banking Corporation.	Mar. 15, 1934	Vaikunthlal Vajiram Mehta.	Dated 10-12-35 I/1221. . .	Mar. 9, 1
‡B008076 / BY008311 .	1,000	Kapilagaori . . .	Ditto .	Ditto . .	Dated 11-12-35 I/1236. . .	Ditto.
B008743 . / BY024401 .	5,000	The Bank of India, Ltd.	Mar. 15, 1933	Dinoo D. Watcha & Nurges D. Watcha or either of them.	Dt-470, dated 24-2-34 .	Oct. 27, 1
B008752 . / BY024403 .	1,000	The P. & O. Banking Corporation, Ltd.	Ditto .	Ditto .	Ditto .	Ditto.

**Half Note—Duplicate issued.
†Half Note—Payment made without usual formalities.
‡Partially destroyed Note—Duplicate issued.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28, and 29 of G. I., F. D., Notn. No. 413-A. / D/2241-F., dated 3-7-20. / 18-2-35	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
	Rs.					
			Four per cent., 1960-70—*contd.*			
B008798-99 / BY024415-16	100 each.	The Bank of India, Ltd.	Mar. 15, 1933	Dinoo D. Watcha & Nurges D. Watcha or either of them.	Dt-470, dated 24-2-34	Oct. 27, 1934.
B008803 / BY024417	500	Ditto	Ditto	Ditto	Ditto	Ditto.
B015791 / BY034977	1,000	The Imperial Bank of India.	Mar. 15, 1934	Hans Kumar	Dated 15-7-35 I/1209.	Aug. 17, 1935.
F018965 / BY000424	500	Imperial Bank of India	Sep. 15, 1936	C. N. Contractor and Manekji Nusserwanji Contractor or either of them.	Dated 17-9-37 I/1367.	Feb. 26, 1938.
F023656/59 / CA007244/47	500 each.	The Imperial Bank of India.	Mar. 15, 1935	Dr. Kshetra Mohan Gupta, M.B., M.R.A.S.	Dated 10-3-36 I/1222.	Aug. 29, 1936.
J012314 / DH007238	10,000	The Controller of the Currency.	Sep. 15, 1934	Rai Bahadur Kharag Jit Misra.	Dated 7-8-35 I/1204.	Mar. 9, 1936.
000488 / DH008947	400	The Accountant-General, Posts and Telegraphs.	Mar. 15, 1929	Sadanand	Dt-2255/183—32, dated 3-9-32.	Feb. 18, 1933.
005361 / DH008984	100	Ditto	Ditto	Ditto	Ditto	Ditto.
014780 / CA019438	1,000	Prosad Das Boral & Bros.	Mar. 15, 1934	Shudangsu Kumar Mitra.	Dt-2944, dated 20-12-34.	Mar. 16, 1935.
*M004404 / MS007751	20,00,000	The Deputy Chief Secretary, Ceylon, The Registrar General, Ceylon and The Postmaster General, Ceylon.	Mar. 15, 1937	The Deputy Chief Secretary, Ceylon, The Registrar General, Ceylon and The Postmaster General, Ceylon.	Dated 2-9-37 I/1366.	Feb. 26, 1938.
			Four per cent. Cawnpore-Achneyra Section of the Rajputana-Malwa Railway Debenture.			
000398	200	Rup Kishore and Jamna Kuar.	Jan. 1, 1898	Jamna Kuar	876/D, dated 30-1-08	Feb. 6, 1926.
			Four per cent. Cawnpore-Farruckabad Railway Debenture.			
000256	1,000	Choube Sadhari Lal	July 1, 1880	Collector of Cawnpore.	760/D, dated 18-8-1894	Feb. 28, 1895.
			Four and half per cent., 1879.			
029225	100	Hurray Kristo Dutt	Mar. 15, 1892	Upendra Nath Ghosh.	Dated 17-1-36 I/1239.	Mar. 9, 1936.
			Four and half per cent., 1955-60.			
D004990 / CA001120	100	The Imperial Bank of India.	Mar. 15, 1931	Prokash Chandra Chatterjee.	Dt-3161, dated 8-12-32	Feb. 18, 1933.
F003288 / BY004774	500	Ditto	Sep. 15, 1930	Jadav Bai	Dt-3153, dated 7-12-32	Ditto.
G000429 / BY004843	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
H001257 / MS000950	5,000	Ditto	Sep. 15, 1934	Messrs. Pancharatnam Thyreum Rajaratnam Thyreum.	Dated 10-7-36 I/1274.	Aug. 29, 1936.
004080 / CA005303	5,000	The Reserve Bank of India.	Sep. 15, 1935	The Director General, Department of Commerce, Jhinsi, Adda Singha Darbar, Katmandu, Nepal.	Dated 11-5-36 I/1258.	Ditto.

* Half Note—Duplicate issued without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D/2241-F. dated 3-7-20./18-2-35	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
	Rs.		**Five per cent., 1929-47.**			
‖TS205 . .	900	The Commissioner, Orissa Division.	Aug. 15, 1917	The Commissioner, Orissa Division.	Dt 1071/158—32, dated 29-4-32.	Aug. 13, 1932.
007962 . .	2,500	Kanshi Ram and Lachmi or either.	Aug. 15, 1918	Deoki Nandan Sood and Rattan Lall Sud.	Dt-2894, dated 12-10-33.	Feb. 10, 1934.
013077 . .	175	The Accountant General, Posts and Telegraphs.	Aug. 15, 1917	Bai Reva . .	Dated 3-4-35 . . I/1193.	Aug. 17, 1935.
013350 . .	1,500	Ditto . .	Aug. 15, 1922	Brij Mohan Singh .	Dt-907/151—32, dated 5-4-32.	Aug. 13, 1932.
018175 . .	200	Ditto . .	Aug. 15, 1925	Dina Nath . .	Dt-94/126—33, dated 12-1-33.	Feb. 18, 1933.
018184 . .	500	Ditto . .	Feb. 15, 1926	Jugan Rai . .	Dt-288, dated 5-2-34 .	Oct. 27, 1934.
019768 . .	400	Ditto . .	Ditto .	Manmatha Nath Misra.	Dt-101, dated 15-1-35 .	Mar. 16, 1935.
019769 . .	500	Ditto . .	Ditto .	Mohini Mohan Misra.	Dt-102, dated 15-1-35 .	Ditto.
022083 . .	4,000	Raja D. Sudhal Deb .	Aug. 15, 1918	Raja Ram Chandra Deb *alias* Mohini Mohan Deb.	Dated 30-5-36. I/187.	Aug. 29, 1936.
022084 . .	4,000	Ditto . .	Ditto .	Ditto .		
022105	2,000	Ditto .	Ditto .	Ditto .		
—025870 .	100	Kirtinath Barooah .	Aug. 15, 1924	Kirtinath Barooah .	Dt-1891, dated 22-8-34 .	Mar. 16, 1935.
027424 . .	500	Debendra Nath Banerji	Aug. 15, 1927	Robindra Nath Banerji, Amarendra Nath Banerji and Atindra Nath Banerji, minors under the guardianship of Kiran Shashi Debi.	Dt-2591, dated 10-11-34.	Ditto.
035387 . .	500	Kanta Lal Das . .	Ditto .	Gopiram Brahmin .	Dated 7-8-1935 . . I/1155.	Mar. 9, 1936.
036246 . .	100	The Bank of Bengal .	Feb. 15, 1919	Kali Das Mukherjee	Dated 31-8-36 . . I/1179.	Feb. 27, 1937.
036817 . .	100	Ditto . .	Aug. 15, 1927	The Manager, Court of Wards, Estate Kartarpur.	Dt-151, dated 22-1-35. I/1149.	Aug. 17, 1935.
037020 . .	200	Debendra Nath Banerji .	Ditto .	Robindra Nath Banerji, Amarendra Nath Banerji and A t i n d r a Nath Banerji, minors under the guardianship of Kiran Shashi Debi.	Dt-2591, dated 10-11-34 .	Mar. 16, 1935.
039502 . .	500	The Accountant General, Posts and Telegraphs.	Feb. 15, 1926	The Sargodha Central Co-operative Bank, Ltd.	Dated 15-7-36 . . I/1243.	Feb. 27, 1937.
041834 . .	500	The Controller of the Currency.	Aug. 15, 1927	The Manager, Court of Wards, Estate Kartarpur.	Dt-151, dated 22-1-35. I/1149.	Aug. 17, 1935.
042442 . .	300	Ditto . .	Ditto .	Ditto. . .		
043068 . .	400	Ditto . .	Ditto .	Ditto . .		
043072 . .	100	The Controller of the Currency.	Aug. 15, 1923	Wali Mohammad Khan.	Dated 8-4-37 . . I/890.	Aug. 28, 1937.
043320 . .	4,200	The Imperial Bank of India.	Feb. 15, 1930	Bonowari Jitendra Deb and Bonoari Surendra Deb.	Dated 19-6-35 . . I/982.	Aug. 17, 1935.
044903 . .	1,000	Jagdish Saran . .	Aug. 15, 1930	Jagdish Saran	Dt-2866, dated 10-10-33.	Feb. 10, 1934.
047089 . .	100	The Imperial Bank of India.	Aug. 15, 1928	The Sheikhupura Co-operative Mortgage Bank, Ltd.	Ditto . .	Mar. 16, 1935.

‖ Tempy. Scrip—Bearer Bonds issued.
—Partially destroyed Note—Payment made without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A. / D/2241-F.' dated 3-7-20. / 18-2-35	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
	Rs.		**Five per cent., 1929-47—*contd.***			
048727/28	100 each.	The Imperial Bank of India.	Aug. 15, 1928	The Sheikhupura Co-operative Mortgage Bank, Ltd.	Dt-2866, dated 10-10-33.	Mar. 16, 1935.
050656	7,500	The District Board, Cawnpore.	Feb. 15, 1930	The Chairman, District Board, Cawnpore.	Dt-2253, dated 16-8-33.	Feb. 10, 1934.
054736/37	1,000 each.	The Imperial Bank of India.	Aug. 15, 1928	The Sheikhupura Co-operative Mortgage Bank, Ltd.	Dt-2077, dated 11-9-34.	Mar. 16, 1935.
055014	500	Ditto	Ditto	Ditto	Ditto	Ditto.
055212/13	100 each.	Bon Behari Boral	Feb. 15, 1933	Bilqis Fatma	Dt-254, dated 31-1-34	Oct. 27, 1934.
055277	1,000	The Imperial Chemical Industries (India), Ltd.	Ditto	Ditto	Ditto	Ditto.
055329	5,000	Durgesh Nandini Dasi	Ditto	Ditto	Ditto	Ditto.
055331/32	1,000 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
B011853	100	Tulsidas Ramjee	Feb. 15, 1930	The Divisional Forest Officer, W. D., Kanara.	Dt-20, dated 4-1-34	Feb. 10, 1934.
B011987	100	Chhiba Bhana	Feb. 15, 1932	Chhiba Bhana	Dated 5-12-35 I/1230.	Mar. 9, 1936.
			Five per cent., 1933.			
*B006981	100	The Imperial Bank of India.	Mar. 1, 1932	The Bombay Electric Supply and Tramways Co., Ld.	Dt-3255/96—32, dated 16-12-32.	Feb. 18, 1933.
G005116—25	1,000 each.	Ditto	Mar. 1, 1931	Mahadeo Prasad	Dt-2319, dated 8-9-31	Feb. 6, 1932.
H001835—38	5,000 each.	The Bank of Bombay	Ditto	Ditto	Ditto	Ditto.
J001291/92	10,000 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
01299-301	100 each.	The Imperial Bank of India.	Mar. 1, 1927	Miss Ratanbai Maneckji Kapadia.	Dt-1264, dated 30-5-29.	Aug. 17, 1929.
5904-08	100 each.	The Bank of India, Ltd.	Sep. 1, 1930	Anantoram Dey	Dt-946/153—32, dated 11-4-32.	Aug. 13, 1932.
			Five per cent., 1935.			
D007640-41	100 each.	The Imperial Bank of India.	Mar. 15, 1932	Jadu Nath Dey	Dt-2996, dated 21-11-32	Feb. 18, 1933.
F004518	500	Ditto	Mar. 15, 1935	Krishna Prasad Bhargava.	Dated 4-3-36 I/1232.	Aug. 29, 1936.
G006493/94	1,000 each.	Ditto	Sep. 15, 1933	Rai Saheb Dr. Sudhir Kumar Sen.	Dt-1969, dated 30-8-34	Mar. 16, 1935
G006839/40	1,000 each.	Ditto	Mar. 15, 1935	Krishna Prasad Bhargava.	Dated 4-3-36 I/1232.	Aug. 29, 1936.
			Five per cent., 1939-44.			
§000093	2,000	Prosad Das Boral & Bros.	July 15, 1932	Nani Bala Devi	Dt.-517, dated 22-2-23.	Aug. 5, 1933.
§000807	3,000	Ditto	Ditto	Ditto	Ditto	Ditto.
F003147	500	The Imperial Bank of India.	Jan. 15, 1936	Mrs. Kathleen Maude Winckler.	Dated 10-11-37 I/1301.	Feb. 26, 1938.

* Full Notes—Duplicates issued without usual formalities.
§ Partially destroyed Notes—Duplicates issued.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D/2241-F.' dated 3-7-20/18-2-35.	Date of publication, under Act X of 1920, of in which the Security was first mentioned.
	Rs.		**Five per cent., 1939-44**—*contd.*			
F006252	500	The Imperial Bank of India.	Jan. 15, 1934	Lakshmi Devi	Dt-2791, dated 5-12-34	Mar. 16, 1935.
***G000664	1,000	Ditto	Jan. 15, 1936	The Deputy Commissioner, Sagaing (President, Hospital Committee, Sagaing).	Dated 15-1-38 I/1308.	Feb. 26, 1938.
G005271	1,000	Ditto	Jan. 15, 1931	Chabildas Damodar Dwarkadas, Vallabhdas, Nagindas Madhabji and Maganlal Ishwarlal or any three of them.	Dt.-22 4, dated 16-8-33	Feb. 10, 1934.
G005706-07	1,000 each.	Ditto	Jan. 15, 1933	Mr. William Lindsay Smith and Mrs. Alice Isabella Harriet Smith or either of them.	Dt.-3099, dated 2-11-33.	Ditto.
***G012815	1,000	Ditto	Jan. 15, 1936	The Deputy Commissioner, Sagaing (President, Hospital Committee, Sagaing).	Dated 15-1-38 I/1308.	Feb. 26, 1938.
***G012847	1,000	Ditto	Ditto	Ditto	Ditto	Ditto.
G013187-88	1,000 each.	The Dy. Controller of the Currency, Bombay.	July 15, 1929	The Divisional Forest Officer, W. D., Kanara.	Dt.-20, dated 4-1-34	Feb. 10, 1934.
G013759/66	1,000 each.	The Imperial Bank of India.	Jan. 15, 1934	Lakshmi Devi	Dt-2791, dated 5-12-34	Mar. 16, 1935.
H001932	5,000	Ditto	Jan. 15, 1936	Mrs. Kathleen Maude Winckler.	Dated 10-11-37 I/1301.	Feb. 26, 1938.
***002976	500	Ditto	Ditto	The Deputy Commissioner, Sagaing (President, Hospital Committee, Sagaing).	Dated 15-1-38 I/1308.	Ditto.
			Five per cent., 1940-43.			
†E001918	200	The Accountant-General, Burma.	Oct. 1, 1932	The Imperial Bank of India.	Dt.-3100/98—32, dated 1-12-32.	Feb. 18, 1933.
†J002844	10,000	Ditto	Ditto	Ditto	Ditto	Ditto.
†P001108—12	1,00,000 each.	Ditto	Ditto	Ditto	Ditto	Ditto.
			Five per cent., 1945-55.			
B015996-99	1,000 each.	The Imperial Bank of India.	Apl. 15, 1932	Govind Ramchandra Kanitkar.	Dt.-445, dated 21-2-34	Oct. 27, 1934.
B028136	1,000	V. P. Kanhere	Apl. 15, 1928	V. P. Kanhere	Dt.-731, dated 13-3-33	Aug. 5, 1933.
B046507-08	500 each.	E. Fialho and Olive Fialho or either.	Ditto	E. Fialho and Olive Fialho or either.	Dt.-1276/161—32, dated 27-5-32.	Aug. 13, 1932.
B053807	5,000	The Imperial Bank of India.	Oct. 15, 1929	Dwarkadas Gopichand, Govindram Gopichand and Murlidhar Gopichand.	Dated 1-4-37 I/1335.	Aug. 28, 1937.
B060597	5,000	Vajiram Manibhai and Biharilal Vajiram or either.	Apl. 15, 1934	Vaikunthlal Vajiram and Chhotigaori Vajiram or either of them.	Dated 10-12-35 I/1220.	Mar. 9, 1936.

*** Half Note—Issue of duplicate authorised.
† Full Notes—Duplicates issued without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D/2241-F., dated 3-7-20/18-2-35.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
			Five per cent., 1945-55—*contd.*			
	Rs.					
B060598 . .	5,000	Vajiram Manibhai Mehta and Biharilal Vajiram or either.	Apl. 15, 1934	Vaikunthlal Vajiram and Chhotigaori Vajiram or either of them.	Dated 10-12-35 . .	March 9, 1936.
†B069987 .	500	The Imperial Bank of India.	Oct. 15, 1936	The Imperial Bank of India.	Dated 20-7-37 I/1357. . .	Aug. 28, 1937.
†B070008 .	1,000	Ditto .	Ditto .	Ditto .	Ditto . .	Ditto.
B077628 . .	500	D. R. Simpson & Co. .	Oct. 15, 1935	R. D. Master and Dinamae R. Master.	Dated 17-8-36 I/1293. . .	Feb. 27, 1937.
B087784 . .	1,000	The Bank of India, Ld.	April 15, 1933	Dewan Bahadur Kesrisingh Chandmal.	Dated 5-6-37 I/1354. . .	Aug. 28, 1937.
B117702 . .	200	Behramji Sorabji Lalkaka, Barjor Hoshangji Vakil, Jehangir Rustom Vakil, Erach Sorabji Lalkaka and Jamshed Dorabsha Kothawala.	Oct. 15, 1935	Behramji Sorabji Lalkaka, Barjor Hoshangji Vakil, Jehangir Rustom Vakil, Erach Sorabji Lalkaka and Jamshed Dorabsha Kothawala.	Dated 14-12-37 I/1369. . .	Feb. 26, 1938.
D008512 .	100	The Accountant-General, Burma.	Apl. 15, 1923	Maung Si Bin .	Dt.-748, dated 3-4-34 .	Oct. 27, 1934.
D011251. .	100	The Bank of Bombay .	Oct. 15, 1923	Mgr. Manuel Xavier Gomes, Victoria Rowe and Irene Ferro.	Dated 20-5-37 I/1329. . .	Aug. 28, 1937.
D013134 .	100	The Accountant-General, Bengal.	Oct. 15, 1919	Messrs. Kaniram Mahadeb.	Dt.-1154, dated 2-6-30 .	Aug. 2, 1930.
D018895 .	100	The Accountant-General, Punjab.	Oct. 15, 1924	Baru . . .	Dated 9-9-36 I/1068. . .	Feb. 27, 1937.
D019034 .	100	Ditto . .	Oct. 15, 1922	Des Raj . .	Dated 31-3-36 I/974. . .	Aug. 29, 1936.
D024780-82 .	100 each.	The Bank of Bombay .	Oct. 15, 1929	Pirthi Raj . .	Dt.-749/143—32, dated 15-3-32.	Aug. 13, 1932.
D025418 .	100	The Accountant-General, Posts and Telegraphs.	Oct. 15, 1928	Messrs. Jessop & Co., Ld.	Dt.-2656, dated 13-9-33 .	Feb. 10, 1934.
D026590 .	100	The Bank of Bombay .	Oct. 15, 1929	Pirthi Raj . .	Dt.-749/143—32, dated 15-3-32.	Aug. 13, 1932.
D027231 .	100	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
D027236 .	100	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
D027241 .	100	Ditto . .	Ditto .	Ditto . .	Ditto .	Ditto.
D027244 .	100	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
E003992 . .	200	The Accountant-General, Bengal.	Ditto .	Messrs. Kaniram Mahadeb.	Dt.-1154, dated 2-6-30 .	Aug. 2, 1930.
E004869 .	200	The Comptroller, Assam	Oct. 15, 1925	The Karimganj Co-operative Town Bank, Ltd.	Dated 1-10-36 I/846. . .	Feb. 27, 1937.
E007392/93 .	200 each.	The Accountant-General, Punjab.	Oct. 15, 1924	Amar Nath . .	Dated 11-1-37 I/1262. . .	Ditto.
E007591 . .	200	Ditto . .	Ditto .	Ditto . .	Ditto . . .	Ditto.
E007990-91 .	200 each.	Ditto . .	Ditto .	Ditto . .	Ditto . . .	Ditto.

†Full Notes—Duplicates issued without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. $\frac{413\text{-A.}}{\text{D/2241-F.}}$, dated $\frac{3\text{-7-20}}{18\text{-2-35}}$.	Date of publi- tion, under X of 1920, in which Security first menti
			Five per cent., 1945-55—*contd.*			
	Rs.					
E008035 . .	200	The Accountant-General, Punjab.	Oct. 15, 1919	Shankar Dass, Nulkh Raj and Ganga Ram.	Dated 21-3-36 . . I/1122.	Aug. 29, 19
E009448-49 .	200 each.	The Accountant-General, Posts and Telegraphs.	Oct. 15, 1928	Messrs. Jessop & Co., Ld.	Dt.-2656, dated 13-9-33.	Feb. 10, 19
E010644 . .	200	The Imperial Bank of India.	Oct. 15, 1931	Sashi Bhusan Bosu	Dt.-3174, dated 8-11-33.	Ditto.
F007118 . .	500	The Accountant-General, Punjab.	Oct. 15, 1924	Baru . . .	Dated 9-9-36 . . I 1068.	Feb. 27, 19
F017805 . .	500	The Imperial Bank of India.	Oct. 15, 1931	Sashi Bhusan Bosu	Dt.-3174, dated 8-11-33.	Feb. 10, 19
F029338 . .	500	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
G003394-403 .	1,000 each.	Ditto . .	Apl. 15, 1922	Motilal Multan Chand.	Dt.-1217, dated 9-5-33.	Aug. 5, 193
G038478 . .	1,000	Ditto . .	Oct. 15, 1930	Anantoram Dey and Tarapada Dey or either.	Dt.-891/149—32, dated 4-4-32.	Aug. 13, 19
G049918 . .	1,000	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
*007698-99 .	1,000 each.	The Accountant-General, Posts and Telegraphs.	Oct. 15, 1923	Taraprasanna Guha	Dt.-146, dated 22-1-35 I/1169.	Aug. 17, 19
010110 . .	500	The Imperial Bank of India.	Oct. 15, 1931	Sashi Bhusan Bosu .	Dt.-3174, dated 8-11-33.	Feb. 10, 19
010111 . .	500					
010117 . .	100	} Prosad Das Boral & Bros.	Ditto .	Binoda Moyee Dassi (Basu).	Dt.-3167, dated 7-11-33.	Ditto.
010119 . .	100					
010582-83 .	1,000 each.	Ditto . .	Ditto .	Sashi Bhusan Bosu .	Dt.-3174, dated 8-11-33.	Ditto.
011848 . .	1,000	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
015196-97 .	500 each.	The Accountant-General, Posts and Telegraphs.	Oct. 15, 1930	Anantoram Dey .	Dt.-946/153—32, dated 11-4-32.	Aug. 13, 19
015492 . .	1,000	Prosad Das Boral & Bros.	Ditto .	Ditto . .	Ditto . .	Ditto.
015498-99 .	1,000 each.	Ditto . .	Ditto .	Anantoram Dey and Tarapada Dey or either.	Dt.-891/149—32, dated 4-4-32.	Ditto.
015506 . .	500	Ditto . .	Ditto .	Tarapada Dey .	Dt.-945/152—32, dated 9-4-32.	Ditto.
016117 . .	500	Ditto . .	Oct. 15, 1931	Sashi Bhusan Bosu .	Dt.-3174, dated 8-11-33.	Feb. 10, 19
017433 . .	1,000	The Imperial Bank of India.	Oct. 15, 1935	The District Magistrate, Tippera (through the Secretary, Comilla Victoria College), Comilla, Tippera.	Dat-d 1-12-36 . . I/13022.	Feb. 27, 19

* Half Note—Issue of duplicate authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A. / D/2241-F., dated 3-7-20 / 18-2-35.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
		Five per cent., 1945-55—*concld.*				
27 . .	Rs. 200	The Allahabad Bank, Ld.	Oct. 15, 1930	Anantoram Dey .	Dt.-946/153—32, dated 11-4-32.	Aug. 13, 1932.
58 . .	500	Prosad Das Boral and Bros.	Ditto .	Ditto .	Ditto . .	Ditto.
66 . .	500	The Accountant-General, Posts and Telegraphs.	Ditto .	Anantoram Dey .	Dt.-946/153—32, dated 11-4-32.	Aug. 13, 1932.
65 . .	500	The Imperial Bank of India.	Oct. 15, 1931	Binoda Moyee Dassi (Basu).	Dt.-3167, dated 7-11-33 .	Feb. 10, 1934.
96 . .	10,000	Makhan Lal Mallick .	Apl. 15, 1935	Hari Narayan Sen .	Dated 3-2-36 . . I/1226.	Aug. 29, 1936.
49 . .	500	The Imperial Bank of India.	Oct. 15, 1931	Sashi Bhusan Bosu .	Dt.-3174, dated 8-11-33 .	Feb. 10, 1934.
43 . .	1,000	Pulin Behari Pal . .	Ditto .	Ditto .	Ditto . .	Ditto.
78 . .	500	Prosad Das Boral & Bros.	Apl. 15, 1934	Mst. Bilqis Fatma .	Dated 30-1-36 . . I/1174.	Aug. 29, 1936.
57 . .	1,000	The National Bank of India, Ltd.	Apl. 15, 1935	Nakuleswar Chatarji	Dated 5-6-37 . . I/1266.	Aug. 28, 1937.
7/38 .	10,000 each.	Prosad Das Boral & Bros.	Ditto	Hari Naryan Sen .	Dated 3-2-36 . . I/1226.	Aug. 29, 1936.
61-62 .	500 each.	Ditto . .	Oct. 15, 1930	Anantoram Dey .	Dt.-946/153—32, dated 11-4-32.	Aug. 13, 1932.
63 . .	500	Ditto . .	Ditto .	Tarapada Dey .	Dt.-945/152—32, dated 9-4-32.	Ditto.
10 . .	100	The Imperial Bank of India.	Oct. 15, 1933	Promotha Nath Tahabildar.	Dated 14-1-36. . . I/1225.	Mar. 9, 1936.
49 . .	500	Jagan	Apl. 15, 1930	Jagan . . .	Dt.-299/133—32, dated 29-1-32.	Aug. 13, 1932.
50 . .	100	Ditto . .	Ditto .	Ditto . . .	Ditto . .	Ditto.
43 . .	200	Sm. Suhasini Dasi .	Apl. 15, 1932	Sm. Suhasini Dasi .	Dt.-446, dated 5-3-35. I/1177.	Aug. 17, 1935.
18 . .	100	The Imperial Bank of India.	Oct. 15, 1933	Promotha Nath Tahabildar.	Dated 14-1-36 . . I/1225.	Mar. 9, 1936.
49 . .	500	Nando Lall Dutt . .	Oct. 15, 1932	Nando Lall Dutt .	Dated 9-9-36 . . I/1279.	Feb. 27, 1937.
50 . .	200	Ditto . .	Ditto .	Ditto .	Ditto . . .	Ditto.
51 . .	100	Ditto . . .	Ditto .	Ditto .	Ditto . . .	Ditto.
94 . .	10,000	Mrinal Kanti Ghosh, Kumar Kanti Ghosh and minors Tarun Kanti Ghosh and Amiya Kanti Ghosh through their guardian mother Gopangana Dassi.	Oct. 15, 1935	Mrinal Kanti Ghosh, Kumar Kanti Ghosh and minors Tarun Kanti Ghosh and Amiya Kanti Ghosh through their guardian mother Gopangana Dassi.	Dated 9-11-37 . . I/1304.	Feb. 26, 1938.
31 . .	5,000	Prosad Das Boral & Bros.	Oct. 15, 1934	Rai Bahadur Kharag Jit Misra.	Dated 7-8-35 . . I/1204.	Mar. 9. 1936.
90 . .	1,000	Debendra Nath Parui .	Ditto. .	Debendra Nath Parui.	Dated 7-9-35 . . I/1211.	Ditto.
		Five and half per cent., 1920.				
3663 . .	100	Ram Singh (Lunatic) .	Aug. 15, 1918	Ram Singh (Lunatic), through his guardian Rur Singh.	Dt.-894, dated 28-3-33 .	Aug. 5, 1933.
7719 . .	500	Mysing Megraj . .	Ditto .	Mysing Megraj .	Dt.-515/75—23, dated 22-2-23.	Feb. 6, 1926.

‡ Temporary Scrip—Payment made.
† Temporay Scrip—Issue of payment order authorised.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. $\frac{413\text{-A.}}{\text{D/2241-F.}}$, dated $\frac{3\text{-7-20}}{18\text{-2-35}}$.	Date of publication, under X of 1920, in which Security was first mentioned.
		Five and half per cent., 1920—*contd.*				
	Rs.					
043192	5,000	Surjan Das	Aug. 15, 1918	Sant Ram Hakim	Dt.-512/137—32, dated 19-2-32.	Aug. 13, 19
*044896	300	The Accountant-General, Posts and Telegraphs.	Aug. 15, 1917	Krishnarao Laxmanrao Holkar.	Dt.-3676, dated 2-12-31	Feb. 6, 193
047047	1,200	Messrs. Surajmal Srikishen.	Ditto	Basanti Debi	Dated 5-7-37 I/347.	Aug. 28, 19
*050375	200	The Accountant-General, Posts and Telegraphs.	Ditto	Jagannath Prasad and Balbadra Krishna.	Dt.-2055, dated 16-8-32.	Feb. 18, 19
**052858	100	Ditto	Ditto	Lahbor Keot Gaonbura.	Dt.-1591, dated 16-7-34	Oct. 27, 19
=055036	300	Ditto	Ditto	The Director General, Posts and Telegraphs.	Dated 22-4-37 I/1310.	Aug. 28, 19
059625	200	Bahadur Singh and Munshi Singh.	Feb. 15, 1918	Bahadur Singh	Dt.-2229, dated 31-8-32	Feb. 18, 193
059899	1,000	M. G. Saptarshi	Aug. 15, 1919	M. G. Saptarshi	Dt.-2678, dated 24-10-32	Ditto.
065871	25	The Accountant-General, Posts and Telegraphs.	Aug. 15, 1917	Gurmukhdas Bhagchand.	Dt.-904, dated 29-3-33	Aug. 5, 19
066042	100	Ditto	Ditto	Ditto	Ditto	Ditto.
075796	400	Ditto	Ditto	Taj Mohd. Khan	Dt.-2300, dated $\frac{14}{15}$-11-27	Feb. 11, 19
078305	200	Ditto	Feb. 15, 1919	Gurdasmal	Dt.-2817, dated 3-12-25.	Feb. 6, 19
=079744	100	Ditto	*Nil.*	The Director-General, Posts and Telegraphs	Dated 11-11-35. RA602/35.	Mar. 9, 193
081390	100	Ditto	Feb. 15, 1919	Gurdasmal	Dt.-2817, dated 3-12-25.	Feb. 6, 19
086173	200	Ma Htu	Aug. 15, 1917	Ma Pwa Chi, Ma Thu Sanda and Maung Mya Yin.	Dated 6-10-37 I/638.	Feb. 26, 19
086321	100	The Bank of Bengal	Feb. 15, 1919	Asvini Kumar Maitra.	Dt.-830, dated 22-3-33	Aug. 5, 19
‡089963-66	100 each.	The Accountant-General, Kashmir State.	Aug. 15, 1917	The Imperial Bank of India.	Dt.-1641/31-34, dated 24-7-34.	Oct. 27, 19
103215	100	The Bank of Madras	Feb. 15, 1919	Sheikh Muhammad Sahib.	Dt.-2752, dated 27-10-32	Feb. 18, 19
106559	100	Maung Hpan Tha	Feb. 15, 1918	Maung Hpan Tha	Dt.-2180, dated 24-9-34	Mar. 16, 19
107201	200	Nala Mamud Bepari	Ditto	Mohammad Mobarak Ali Bepari, Mohammad Umar Ali Bepari and Mohammad Umed Ali Bepari.	Dated 12-4-37 I/1318.	Aug. 28, 19
114381	100	Miss I. Durham	Aug. 15, 1918	Miss I. Durham	Dt.-58, dated 11-1-34	Feb. 10, 19
114407	500	Kali Mamud Talukdar	Feb. 15, 1919	Basiranessa Bibi and others.	Dt.-2180, dated 10-8-33	Ditto
114409	100					

* Full Note—Payment made without usual formalities.

** Partially destroyed Note—Payment made without usual formalities.

= Full note—Amount cancelled and written off by credit to the head "Account Current between India and Post Office".

‡ Payment made without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D/2241-F., dated 3-7-20/18-2-35.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
		Five and half per cent., 1920—*concld.*				
	Rs.					
‡ 114550 . .	100	Kunja Behari Kar .	Feb. 15, 1918	Kunja Behari Kar .	Dt.-917/106—24, dated 17-4-24.	Aug. 23, 1924.
‡ 123404 . .	100	Asrafuddin Mia, Abdul Gani Haji and Momin Bepari.	Ditto .	Asrafuddin Mia, Abdul Gani Haji and Momin Bepari.	Dt.-1701/245--26, dated 16-7-26.	Feb. 5, 1927.
‡ 134750 . .	100	Miss H. C. Mackichan .	Feb. 15, 1920	Miss Helen Craig Mackichan.	Dt.-3072, dated 30-10-33	Feb. 10, 1934.
		Five and half per cent., 1921.				
A000169 . .	25	The Accountant-General, Posts and Telegraphs.	Sep. 15, 1920	J. E. Eede & Mrs. C. H. Eede.	Dt -182, dated 25-1-34.	Oct. 27, 1934.
A025335-36 .	25 each.	Ditto . .	Mar. 15, 1919	Seth Tarachand Bhura.	Dt.-762, dated 16-3-32 .	Aug. 13, 1932.
A029486 . .	25	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
A029523 . .	25	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
A029531-32 .	25 each.	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
***C006128 .	50	Ditto . .	Sep. 15, 1918	Jitendra Chandra Shome.	Dated 8-1-38 I/512. . .	Feb. 26, 1938.
C013018 . .	50	Ditto . .	Ditto .	Mr. Kahna . .	Dated 11-2-36 I/1206. . .	Aug. 29, 1936.
D001200 .	100	The Accountant General, Bombay.	Ditto .	Bhakti Das Halochand.	Dt.-2986/78—23, dated 13-11-23.	Mar. 1, 1924.
D002468 . .	100	The Accountant-General, Bihar and Orissa.	Ditto .	Messrs. Amiri Lall and Jaldhari Lall.	Dated 24-10-35. I/988. . .	Mar. 9, 1936.
D002894 .	100	The Accountant General, Punjab.	Ditto .	Banarsidas . .	Dated 5-1-37 I/392. . .	Feb. 27, 1937.
D005345 .	100	The Bank of Madras .	Mar. 15, 1920	Ouseph Ouseph .	Dt.-1537, dated 8-6-33 .	Aug. 5, 1933.
D006150 .	100	The Bank of Bengal .	Sep. 15, 1918	Maung Lu Pe .	Dated 18-9-36 I/1212. . .	Feb. 27, 1937.
D006151 .	100	Ditto . .	Ditto .	Ma San Hmon .	Dated 12-4-37 I/1214. . .	Aug. 28, 1937.
D006152 . .	100	Ditto . .	Ditto .	Maung Ye Gyan .	Dated 18-9-36 I/1210. . .	Feb. 27, 1937.
D013968 .	100	The Accountant-General, Burma.	Ditto .	Miss I. Durham .	Dt.-58, dated 11-1-34 .	Feb. 10, 1934.
D015618 . .	100	The Accountant General, Punjab.	Ditto .	Hashmat Ali (minor) through his guardian Mohammad Ali.	Dated 7-12-36 I/1238. . .	Feb. 27, 1937.
D017015 .	100	The Accountant General, Burma.	Ditto .	Mrs. Gertrude Joseph.	Dt.-2586, dated 18-9-31 .	Feb. 6, 1932.

‡ Payment made without usual formalities.
*** Half Note—Issue of duplicate authorised.

Five and half per cent., 1921—*contd.*

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/12, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D./2241-F.' dated 3-7-20./18-2-35	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
	Rs.					
D018345	100	The Accountant General, Burma.	Sep. 15, 1918	Sao Shwe Thaike, Administrator to the estate of Sir Sao Maung.	Dt.-417, dated 13-2-33	Aug. 5, 1933.
D026999	100	The Accountant-General, Posts and Telegraphs.	Mar. 15, 1920	Majja Singh	Dt.-1275, dated 2-6-26	Aug. 7, 1926.
D034249	100	The Accountant General, Punjab.	Sep. 15, 1918	Karimullah and Ghulam Mohammad.	Dated 20-8-37 I/1163.	Feb. 26, 1938.
D044327	100	The Accountant-General Posts and Telegraphs.	Ditto	Messrs. Beharilal Bhagwandas.	Dt.-752, dated 15-3-33	Aug. 5, 1933.
D052268	100	The Accountant-General, Madras.	Ditto	Tiruppakuli Krishnaswamy Iyengar.	Dt.-805/178—28, dated 28-4-28.	Aug. 4, 1928.
D059067	100	The Accountant-General, Posts and Telegraphs.	Ditto	Mr. Kahna	Dated 11-2-36 I/1206.	Aug. 29, 1936.
E003100	200	The Comptroller, Central Provinces.	Sep. 15, 1920	N. D. Kane	Dated 24-10-35 I/571.	Mar. 9, 1936.
E003596	200	The Accountant-General, Burma.	Sep. 15, 1918	Moung Lu Pe.	Dated 18-9-36 I/1212.	Feb. 27, 1937.
E015488	200	Ditto	Ditto	Mehar Singh Zailder	Dt.-2181, dated 24-9-34.	Mar. 16, 1935.
E016603	200	The Accountant General, Punjab.	Ditto	Karimullah and Ghulam Mohammad.	Dated 20-8-37 I/1163.	Feb. 26, 1938.
E019287	200	The Accountant-General, Madras.	Ditto	Dikshidar, M. S. Nageswara Iyer.	Dated 5-1-37 I/1326.	Feb. 27, 1937.
E019841	200	The Accountant-General, Punjab.	Ditto	Messrs. Beharilal Bhagwandas.	Dt.-752, dated 15-3-33.	Aug. 5, 1933.
E023508	200	The Accountant-General, Posts and Telegraphs.	Ditto	Messrs. Magniram Chhogalal.	Dated 25-6-36 I/1269.	Aug. 29, 1936.
E026553	200	Ditto	Ditto	Mr. Kahna	Dated 11-2-36 I/1206.	Aug. 29, 1936.
E027013	200	Ditto	Mar. 15, 1919	Ram Singh	Dt.-1011, dated 10-4-33.	Aug. 5, 1933.
F003936	500	Ditto	Sep. 15, 1918	Nawab Bibi	Dt.-1186, dated 31-5-34.	Oct. 27, 1934.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28, and 29 of G. I., F. D., Notn. No. $\frac{413\text{-A.}}{\text{D./2241-F.}}$, dated $\frac{3\text{-}7\text{-}20}{18\text{-}2\text{-}35}$.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
			Five and half per cent., 1921—*contd.*			
	Rs.					
F012053 . .	500	The Accountant-General, Posts and Telegraphs.	Sep. 15, 1918	Messrs. Beharilal Bhagwandas.	Dt.-752, dated 15-3-33 .	Aug. 5, 1933.
G004172 . .	1,000	The Bank of Madras .	Mar. 15, 1919	K. B. Siva Rudrappa	Dt.-3114, dated 2-11-33 .	Feb. 10, 1934.
G017248 . .	1,000	The Accountant-General, Punjab.	Sept. 15, 1918	Dharam Singh and Gurdit Singh.	Dated 22-6-35 . . I/431.	Aug. 17, 1935.
G026198-200 .	1,000 each.	The Accountant-General, Madras.	Sept. 15, 1920	A. S. N. Sheikh Mahamod Maricair.	Dt.-2917, dated 14-11-32	Feb. 18, 1933.
013845 . .	100	Baneswar Burman .	Sept. 15, 1919	Baneswar Burman .	Dated 11-11-36 . . I/1273.	Feb. 27, 1937.
			Five and half per cent., 1922.			
AM002729 .	100	....	Aug. 15, 1920	J. E. Eede and Mrs. C. H. Eede.	Dt.-3666, dated 30-12-33.	Feb. 10, 1934.
AM003455-56 .	100 each.	....	Feb. 15, 1920	Maung Hpo Htauk	Dt.-422, dated 14-2-33 .	Aug. 5, 1933.
AN000819 .	500	....	Aug. 15, 1920	J. E. Eede and Mrs. C. H. Eede.	Dt.-3666, dated 30-12-33	Feb. 10, 1934.
016401 . .	100	Gurdas . . .	Aug. 15, 1921	Gurdas Ram . .	Dated 8-1-38 . . I/541.	Feb. 26, 1938.
027679 . .	525	The Accountant-General, Posts and Telegraphs.	Aug. 15, 1917	Indar Singh . .	Dt.-973, dated 21-4-31 .	Aug. 1, 1931.
034570 . .	5,000	Raja D. Sudhal Deb .	Aug. 15, 1918	Raja Ram Chandra Deb *alias* Mohini Mohan Deb.	Dated 30-5-36 . . I/187.	Aug. 29, 1936.
039800 . .	100	The Accountant-General, Posts and Telegraphs.	Aug. 15, 1920	J. E. Eede & Mrs. C. H. Eede.	Dt.-182, dated 25-1-34 .	Oct. 27, 1934.
040209 . .	300	Ditto .	Ditto .	Ditto .	Ditto . .	Ditto.
041170 . .	250	Ditto .	Feb. 15, 1918	Musammat Bhagwani Kuar.	Dated 6-5-37 . . I/1256.	Aug. 28, 1937.
057841 . .	2,000	Shahdeo Baksh Singh .	Aug. 15, 1920	Achal Singh . .	Dt.-2623, dated 20-10-32.	Feb. 18, 1933.
069169 . .	1,000	Satya Saran Mitra .	Aug. 15, 1921	Sarat Kumari Dasi	Dt.-1104, dated 14-6-28.	Aug. 4, 1928.
069170-71 .	500 each.	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A / D./2241-F., dated 3-7-20 / 18-2-35.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
	Rs.		**Five and half per cent., 1928.**			
***C001462 .	50	The Accountant General, Posts and Telegraphs.	Mar. 15, 1919	Jitendra Chandra Shome.	Dated 8-1-38 . . I/512.	Feb. 26, 1938.
D000428 .	100	The Accountant-General, Madras.	Sept. 15, 1918	Karnam Mangiah .	Dt.-1917, dated 19-7-33 .	Feb. 10, 1934.
D001514 .	100	The Comptroller, Central Provinces.	Ditto .	Luxmi Bai . .	Dt.-2604, dated 18-9-31 .	Feb. 6, 1932.
D002720 .	100	The Bank of Bengal .	Ditto .	Balbhadraram and Kanhaiyalal.	Dt.-1303, dated 13-5-33 .	Aug. 5, 1933.
D004913 . .	100	The Accountant-General, Posts and Telegraphs.	Mar. 15, 1919	Sumar Chand .	Dated 21-12-36 . . I/1268.	Feb. 27, 1937.
E000163 . .	200	Ditto . .	Sept. 15, 1918	M. G. Saptarshi .	Dt.-2678, dated 24-10-32.	Feb. 18, 1933.
E000511 . .	200	The Comptroller, Central Provinces.	Ditto .	Laxmi Bai . .	Dt.-2604, dated 18-9-31 .	Feb. 6, 1932.
E004345 .	200	The Accountant General, Posts and Telegraphs.	Sept. 15, 1933	Nirmal Mohan Roy Chowdhury.	Dated 7-1-38 . . I/1270.	Feb. 26, 1938.
F000389 . .	500	The Accountant-General, Madras.	Mar. 15, 1920	Srimath Abhinavodhanda Vidya Narasimha Bharati Swamulu Varu.	Dt.-616/141—32, dated 1-3-32.	Aug. 13, 1932.
F007220 . .	500	The Bank of Bengal .	Sept. 15, 1923	Tara Chand and Chiman Lal, minors through their guardian Bhagat Har Chand.	Dt.-1845, dated 17-8-34 .	Mar. 16, 1935.
G003584-85 .	1,000 each.	Ditto . .	Sept. 15, 1920	Achal Singh . .	Dt.-2623, dated 20-10-32.	Feb. 18, 1933.
G021278 . .	1,000	The Accountant-General, Bengal.	Sept. 15, 1922	Abdul Hamid Sardar for self and as guardian of the minors Golam Kibria Sardar and Golam Aspia Sardar.	Dated 4-2-36 . . I/1096.	Aug. 29, 1936.
			Five and half per cent., 1938-40.			
**B002581 .	500	The Imperial Bank of India.	Oct. 1, 1936 .	The Imperial Bank of India.	Dated 20-7-37 . . I/1357.	Aug. 28, 1937.
**B002710 .	500	Ditto .	Ditto .	Ditto .	Ditto . .	Ditto.

***Half Note—Issue of duplicate authorised.
** Duplicate issued without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A. / D./2241-F., dated 3-7-20 / 18-2-35.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
	Rs.					
			Six per cent., 1926.			
G020422 . .	1,000	The Imperial Bank of India.	Sept. 15, 1922	Abdul Hamid Sardar for self and as guardian of the minors Golam Kibria Sardar and Golam Aspia Sardar.	Dated 4-2-36 I/1096. . .	Aug. 29, 1936.
			Six per cent., 1927.			
G004718 . .	1,000	The Accountant-General, Posts and Telegraphs.	Apl. 1, 1927 .	Makhan Lall Modak.	Dt.-614/98—30, dated 1-3-32.	Aug. 13, 1932.
			Six per cent., 1930.			
D002158 .	100	The Accountant-General, United Provinces.	Aug. 15, 1920	Sarju Prasad Pande.	Dt.-1899/172—32, dated 3-8-32.	Feb. 18, 1933.
D002398 .	100	The Accountant-General, Bihar and Orissa.	Feb. 15, 1930	Sidha Nath Lal .	Dt.-1302, dated 13-5-33 .	Aug. 5, 1933.
D011709-12 .	100 each.	The Bank of Bombay .	Feb. 15, 1929	M. V. Bhat, R. K. Prabhu, A. P. Kamat, M. M. Shanbhag and Sheshgiri Narayan Kamat or any four of them.	Dt.-1283, dated 14-6-34 .	Oct. 27, 1934.
E000449 . .	200	The Dy. Controller of the Currency, Bombay.	Ditto .	Ditto . .	Ditto . .	Ditto.
E000696 . .	200	Ditto . .	Feb. 15, 1927	Krishnaji Gundo Desai.	Dt.-3444, dated 12-12-33	Feb. 10, 1934.
E001414 .	200	The Accountant-General, United Provinces.	Aug. 15, 1929	Kumar Krishna Sukhia.	Dt.-2182, dated 24-9-34 .	Mar. 16, 1935.
[illegible]01912 . .	500	The Accountant-General, Posts and Telegraphs.	Aug. 15, 1928	Nikhilesh Chandra Das, minor, under the guardianship of Pramatha Nath Das.	Dt.-609/140—32, dated 29-2-32.	Aug. 13, 1932.
F002276 . .	500	The Accountant-General, Bengal.	Feb. 15, 1928	Sarat Kumari Dasi .	Dt.-1104, dated 14-6-28 .	Aug. 4, 1928.
F002307 . .	500	Ditto . .	Aug. 15, 1925	Satish Chandra Roy, Suresh Chandra Roy and Tulsidas Bhattacharjee.	Dt.-2521, dated 15-9-31 .	Feb. 6, 1932.
F005276 . .	500	The Bank of Bombay .	Feb. 15, 1929	M. V. Bhat, R. K. Prabhu, A. P. Kamat, M. M. Shanbhag and Sheshgiri Narayan Kamat or any four of them.	Dt.-1283, dated 14-6-34	Oct. 27, 1934.
F011558 . .	500	Ditto . .	Ditto .	Ditto .	Ditto . .	Ditto.

* Payment made without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A./D./2241-F., dated 3-7-20/18-2-35.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
			Six per cent., 1930—*contd.*			
	Rs.					
H000697	5,000	The Accountant-General, Bengal.	Aug. 15, 1920	Sarat Kumari Dasi	Dt.-1104, dated 14-6-28	Aug. 4, 1928.
H003882	5,000	The Accountant-General, Punjab.	Aug. 15, 1929	Nau Nihal Singh	Dt.-370, dated 14-2-34	Oct. 27, 1934.
001040	1,000	The Bank of Bengal	Aug. 15, 1927	Makhan Lall Modak	Dt.-614/98—30, dated 1-3-32.	Aug. 13, 1932.
002972	1,000	Ditto	Aug. 15, 1920	Must. Wazir Begum and the minor Must. Sardar Begum through her guardian Mohd. Afzal.	Dated 28-5-37 I/1228.	Aug. 28, 1937.
005166	1,000	Prosad Das Boral & Bros.	No interest due.	Lalit Kumar Chowdhuri.	Dt.-414/135—32, dated 13-2-32.	Aug. 13, 1932.
007145	1,000	Ditto	Aug. 15, 1927	Makhan Lall Modak.	Dt.-614/98—30, dated 1-3-32.	Ditto.
009346	1,000	The Imperial Bank of India.	Ditto	Ditto	Ditto	Ditto.
011399	100	Prosad Das Boral & Bros.	Feb. 15, 1929	Jatindra Nath Sinha	Dt.-809/147—32, dated 23-3-32.	Ditto.
011401	100	Ditto	Ditto	Ditto	Ditto	Ditto.
012172	100	Nirmal Chandra Sarbadhikary.	Ditto	Ditto	Ditto	Ditto.
012487	100	Prosad Das Boral & Bros.	Aug. 15, 1929	Ditto	Ditto	Ditto.
018913	500	Grindlay & Co., Ld.	Ditto	Ditto	Ditto	Ditto.
			Six per cent., 1931.			
G001436	1,000	The Accountant-General, Posts and Telegraphs.	Mar. 15, 1928	Miss Georgina de Menezes, minor under the guardianship of Vincent John Victor de Menezes.	Dated 19-10-35 I/160F.	Mar. 9, 1936.
001999	500	The Imperial Bank of India.	Mar. 15, 1926	Radharani Debi	Dt.-2255, dated 16-8-33	Feb. 10, 1934.
			Six per cent., 1932.			
H003111	5,000	The Controller of the Currency.	Apl. 1, 1931	The Bettiah Municipality, Bettiah.	Dt.-638, dated 3-3-33	Aug. 5, 1933.
011098	100	The Accountant-General, Posts and Telegraphs.	Apl. 1, 1929	Sadanand and Battoo or either.	Dt.-2255/183—32, dated 3-9-32.	Feb. 18, 1933.
			Six per cent., 1933-36.			
D000635	100	The Imperial Bank of India.	Aug. 15, 1931	Hassomal Panjumal Shahani.	Dt.-944, dated 28-4-34	Oct. 27, 1934.
D003142-51	100 each.	Ditto	Aug. 15, 1932	Hoosein Peerbhoy	Dt.-1681, dated 27-6-33	Aug. 5, 1933.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 413-A. / D./2241-F. dated 3-7-20 / 18-2-35.	Date of publication, under Act X of 1920, of list in which the Security was first mentioned.
			Six per cent., 1933-36—*contd.*			
	Rs.					
004231 . .	500	The Imperial Bank of India.	Aug. 15, 1930	Anantoram Dey .	Dt.-946/153—32, dated 11-4-32.	Aug. 13, 1932.
009606 . .	500	Ditto . .	Aug. 15, 1931	J. M. Basal . .	Dt.-1993, dated 4-9-34 .	Mar. 16, 1935.
004053 . .	1,000	Ditto . .	Ditto .	Ditto . .	Ditto .	Ditto.
009086-87 .	1,000 each.	Ditto . .	Aug. 15, 1930	Anantoram Dey and Tarapada Dey or either.	Dt.-891/149—32, dated 4-4-32.	Aug. 13, 1932.
009094 . .	1,000	Ditto . .	Ditto .	Kartik Ram Dey, Anantoram Dey and Tarapada Dey or any one of them.	Dt.-784/144—33, dated 18-3-32.	Ditto.
009117-18 .	1,000 each.	Ditto . .	Ditto .	Tarapada Dey .	Dt.-945/152—32, dated 9-4-32.	Ditto.
009124 . .	1,000	Ditto . .	Ditto .	Anantoram Dey .	Dt.-946/153—32, dated 11-4-32.	Ditto.
012586 . .	1,000	Ditto . .	Feb. 15, 1933	Khan Bahadur Shah Nawaz Khan.	Dt.-2956, dated 17-10-33.	Feb. 10, 1934.
018721 . .	1,000	The Deputy Controller of the Currency, Bombay.	Aug. 15, 1930	The Divisional Forest Officer W. D., Kanara.	Dt.-20, dated 4-1-34 .	Ditto.
021830 . .	1,000	The Imperial Bank of India.	Aug. 15, 1931	J. M. Basal . .	Dt.-1993, dated 4-9-34 .	Mar. 16, 1935.
G023005 .	1,000	Ditto . .	Ditto .	Jamnadas Morarjee.	Dt.-655/142—32, dated 7-3-32.	Aug. 13, 1932.
G25969 . .	1,000	Ditto . .	Feb. 15, 1933	Biman Chandra Bose	Dated 24-5-35 . . I/1200.	Aug. 17, 1935.
003839-40 .	5,000 each.	Ditto . .	Feb. 15, 1932	Thakurlal Lath .	Dt.-2515/186—32, dated 28-9-32.	Feb. 18, 1933.
002917-18 .	10,000 each.	Ditto . .	Ditto .	Ditto . .	Ditto . .	Ditto.
00736 . .	500	Prosad Das Boral & Bros.	Aug. 15, 1932	Sourendra Mohan Ghose.	Dt.-2632, dated 12-9-33 .	Feb. 10, 1934.
			Six and half per cent., 1935.			
1600 . .	100	The Imperial Bank of India.	Mar. 15, 1933	Naraindas Dwarkadas and Umribai as guardian of the minors Kishinchand, Gobindram Hariram and Ghanshamdas.	Dated 7-1-38 . . I/1264.	Feb. 26, 1938.
003432/33 .	100 each.	Ditto . .	Mar. 15, 1935	Krishna Lall . .	Dated 10-1-36 . . I/1233.	Mar. 9, 1936.
014430/31 .	100 each.	The Accountant-General, Posts and Telegraphs.	Sep. 15, 1932	The Punjab Provincial Co-operative Bank, Ltd., Lahore.	Dt.-1469, dated 4-7-34 .	Oct. 27, 1934.
014446 .	100	Ditto . .	Sep. 15, 1934	Bhalchandra Krishnarao Madgakar.	Dated 17-2-36 . . I/1240.	Aug. 29, 1936.
E000681 . .	200	The Imperial Bank of India.	Sep. 15, 1932	Om Prakash and Dyal Chand, minors under the guardianship of Mst. Dropdi.	Dt.-401, dated 26-2-35 I/1182.	Aug. 17, 1935.
E000957 . .	200	Ditto . .	Ditto .	Pusparani Devi .	Dated 21-3-36 . . I/1178.	Aug. 29, 1936.
*F000801 .	500	Ditto . .	Mar. 15, 1935	Makhan Lall . .	Dated 5-2-36 . . I/1241.	Ditto.

† Half Note—Duplicate issued.
* Full Note—Duplicate issued without usual formalities.

No. of Security.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of orders issued under paras. 13/13, 24/18, 25/27, 26/28 and 29 of G. I., F. D., Notn. No. 414-A. / D./2241-F. dated 3-7-20 / 18-2-35.	Date of pu cation, under X of 1920, in which Security first mentio
			Six and half per cent., 1935—*contd.*			
F001183 . .	Rs. 500	The Imperial Bank of India.	Sep. 15, 1934	Bihari Lal . .	Dated 24-7-36 . . I/1261.	Feb. 27, 19
F001206/07 .	500 each.	Ditto . .	Mar. 15, 1933	Chanan Devi . .	Dt.-1435, dated 29-6-34 .	Oct. 27, 19
F003257 . .	500	Ditto . .	Ditto .	Fardunji Sorabji Kapadia.	Dt.-1005, dated 8-5-34 .	Ditto.
F003363 . .	500	Ditto . .	Ditto .	Simrikh Prasad .	Dt.-3442, dated 12-12-33.	Feb. 10, 19
F003797 . .	500	Ditto . .	Ditto .	Naraindas Dwarkadas and Umribai as guardian of the minors Kishinchand, Gobindram Hariram and Ghanshamdas.	Dated 7-1-38 . . I/1264.	Feb. 26, 19
F004861 . .	500	Ditto . .	Mar. 15, 1932	Malaya Devi . .	Dt.-1119. dated 27-4-33 .	Aug. 5, 19
F005065-66 .	500 each.	Ditto . .	Sept. 15, 1931	Mukunda Rao Panje	Dt.-2700, dated 15-9-33 .	Feb. 10, 19
*F009831 .	500	Ditto . .	Mar. 15, 1935	Makhan Lall . .	Dated 5-2-35 . . I/1241.	Aug. 29, 19
G002956 . .	1,000	Ditto .	Mar. 15, 1933	Simrikh Prasad .	Dt.-3442, dated 12-12-33.	Feb. 10, 19
G003233/36 .	1,000 each.	Ditto . .	Mar. 15, 1934	Attar Chand . .	Dated 7-1-38 . . I/1289.	Feb. 26, 19
G005518 . .	1,000	Ditto . .	Mar. 15, 1935	Krishna Lall . .	Dated 10-1-36 . . I/1233.	Mar. 9, 19
G006125 . .	1,000	Ditto . .	Mar. 15, 1933	Prof. Sir Sarvepalli Radhakrishnan.	Dated 2-5-36 . . I/1267.	Aug. 29, 19
G009472 . .	1,000	Ditto . .	Sept. 15, 1932	Om Prakash and Dyal Chand, minors under the guardianship of Mst. Dropdi.	Dt.-401, dated 26-2-35 . I/1182.	Aug. 17, 19
G014902/06 .	1,000 each.	Ditto . .	Mar. 15, 1934	H. E. Vieyra and Miss F. Vieyra or either of them.	Dt.-2247, dated 27-9-34 .	Mar. 16, 19
G019839/40 .	1,000 each.	Ditto . .	Mar. 15, 1933	Abdul Razak .	Dt.-2111, dated 17-9-34 .	Ditto.
||G021384-85 .	1,000 each.	The Treasury Officer, Henzada.	Sept. 15, 1932	The Imperial Bank of India.	Dt.-3100/98—32, dated 1-12-32.	Feb. 18, 19
||G023116-20 .	1,000 each.	The Accountant-General, Posts and Telegraphs.	Sept. 15, 1931	The Accountant-General, Posts and Telegraphs.	Dt.-714, dated 10-3-33 .	Aug. 5, 19
G023229/30 .	1,000 each.	Ditto .	Mar. 15, 1934	H. E. Vieyra and Miss F. Vieyra or either of them.	Dt.-2247, dated 27-9-34 .	Mar. 16, 19
H000627 .	5,000	The Imperial Bank of India.	Sep. 15, 1933	Rai Saheb Dr. Sudhir Kumar Sen.	Dt.-1969, dated 30-8-34 .	Ditto.
H001832 .	5,000	Ditto . .	Sept. 15, 1931	Jyotirmoy Mukerjee	Dt.-2132, dated 8-8-33 .	Feb. 10, 19
H002867 .	5,000	Ditto . .	Sep. 15, 1932	Pusparani Devi .	Dated 21-3-36 . . I/1178.	Aug. 29, 19
000488 . .	5,000	Ditto . .	Ditto .	Om Prakash and Dyal Chand, minors under the guardianship of Mst. Dropdi.	Dt.-401, dated 26-2-35. I/1182.	Aug. 17, 19

* Full Note—Payment made without usual formalities.
|| Full Notes—Duplicates issued without usual formalities.

L. PERTWEE,
Manager,
Reserve Bank of India, Calcutta

INDIAN COAL GRADING BOARD.

ANNUAL REPORT FOR THE YEAR 1937-38

Constitution of the Indian Coal Grading Board.—The constitution of the Board on the 31st March 1938 was as follows :—

President.

J. R. Harrison, Esq. . Chief Mining Engineer, Railway Board, *Ex-officio.*

Members.

Rai A. C. Banerjee Bahadur, M.A., C.I.E. Representing the Bengal National Chamber of Commerce.

R. B. Whitehead, Esq., M.L.A. Representing the Indian Mining Association.

P. Basu, Esq. . . Representing the Indian Mining Federation.

F. C. Guthrie, Esq. . Representing the Bengal Chamber of Commerce.

Secretary.

S. N. Banerji, Esq.

Application for Grading.—During the year 1937-38, 25 applications for Grade Certificates were received. Out of these 12 Grades were accepted ; 7 were not accepted by the applicants and 6 were pending on the 31st March 1938 as the grading was deferred at the request of the applicants.

Grant of Export Certificates.—For the period under review applications for Shipment Grade Certificates were received for a total of 1,885,479 tons 6 cwts., as against 1,627,405 tons 13 cwts., during the previous year, as under :—

	1937-38.		1936-37.	
	Tons.	Cwts.	Tons.	Cwts.
Aden	23,930	..	..	..
Akyab	9,040	..	6,522	..
Bangkok	..	..	7,275	..
Beypore	38,536	..	5,838	..
Bhavnagar	48,564	..	55,450	..
Bimlipattam	100	..	..	..
Bombay	230,549	8	371,524	7
Cannanore	1,541	..	..	..
Chandbali	836	..	486	8
Chittagong	18,127	15	29,841	..
Cochin	14,241	19	15,529	..
Colombo	362,965	19	198,435	4
Cuddalore	23,710	..	32,790	..
Durban	780	..	305	17
Feroke	7,358	..	12,441	..
Hongkong	13,355	..	..	..
Karachi	87,924	12	65,813	..
Madras	109,788	7	83,878	..
Manila	..	..	7,593	..
Mandapam	22,629	5	..	..
Marmagoa	32,064	..	103,957	..
Moulmein	250	..	1,000	..
Mauritius	..	..	2,317	..
Nagapattam	6,588	..	504	..
Navalakhi	6,915	..	16,733	..
Porebunder	46,044	..	22,977	..
Port Blair	5,461	..	5,693	..
Port Kundla	1,238	..	2,620	..
Port Louis	1,750	..	..	..
Port Okha	52,244	..	36,499	..
Rangoon	538,298	16	441,483	1
Sabang	18,158	..	2,728	..
Straits Settlements (Singapore, etc.)	65,147	..	25,070	..
Tuticorin	75,959	..	49,102	..
Verawal	15,031	..	12,876	17
Vizagapattam	6,354	5	10,125	..
	1,885,479	6	1,627,405	13

Meeting of the Board.—The Coal Grading Board met on 12 occasions during the year.

Disposal of Business.—All applications for Grade and Shipment Certificates were considered by the Board and all decisions arrived at unanimously.

Grading Board Publication.—In January 1938 the Board issued a Publication giving :—

1. Statement showing average analyses of Coals.
2. Output of Coal in British India.
3. Statement showing shipment of coal from the Port of Calcutta to various Ports.
4. Statement showing the estimated consumption of Coal (Indian and Foreign) in the various Industries in India.
5. Statement showing Imports of Coal into Ceylon and Straits Settlements.
6. Statement showing the Railway Freight from Graded Collieries to Kidderpore Docks.
7. Statement showing Calcutta Port Charges.
8. A list of Coals Graded to the end of 1937 arranged alphabetically according to Collieries.
9. A list of Collieries having Graded Coals tabulated according to Owners or Managing Agents and their addresses.
10. Statement showing Coals arranged according to Seams under the various Grades.
11. Statement showing the Output of Graded Collieries.
12. Statement showing quantities of Cargo Coal shipped under Certificate of the Indian Coal Grading Board.
13. Chart showing shipment of Coal.
14. Map showing the Raneegunge and Jharia Coalfields and the Railways serving them.

Receipts and Expenditure of the Board.—A Statement of the Audited Accounts for the year 1937-38 is enclosed.

S. N. BANERJEE, Secretary, Coal Grading Board.

J. R. HARRISON, President, Coal Grading Board.

INDIAN COAL GRADING BOARD.

Statement of Receipts and Expenditure for the year ended 31st March 1938.

	Face Value. Rs. A. P.	Rs. A. P.
To Opening Balances as at 1st April 1937—		
In Safe Custody of Imperial Bank of India, Calcutta—		
5½ per cent. Loan, 1938-40	2,04,600 0 0	
4½ per cent. Loan, 1955-60	42,000 0 0	
3½ per cent. Loan, 1947-50	41,400 0 0	
4 per cent. Loan, 1960-70	24,200 0 0	
	3,12,200 0 0	
Cash in Hand	..	65 1 7
Receipts During the year :—		
(a) Under section 4 (1) of the Act	1,500 0 0	
(b) Under section 4 (2) of the Act	240 0 0	
(c) Under section 6 (1) of the Act	59,124 9 9	
(d) Interest from Investments	17,598 13 5	
		78,463 7 2
	..	78,528 8 9

	Rs. A. P.	Rs. A. P.	Rs. A. P.
By Bank Overdraft as on 1st April 1937		..	8,053 15 7
Expenditure during the year—			
(a) Administration of the Board		58,199 5 0	
(b) Inspection and analysis		526 0 0	
(c) Miscellaneous—			
(i) General	5,055 9 6		
(ii) Paid to the Chief Mining Engineer, Railway Board	1,902 0 6		
		6,957 10 0	
			65,682 15 0
Closing Balances as at 31st March 1938 :—			
In Safe Custody of Imperial Bank of India, Calcutta :—		Face Value.	
3½ per cent. Loan, 1947-50		1,41,400 0 0	
4 per cent. Loan, 1960-70		1,15,700 0 0	
4½ per cent. Loan, 1955-60		42,000 0 0	
		2,99,100 0 0	
In current account with :—			
Imperial Bank of India, Calcutta		4,704 2 1	
Cash in Hand		87 8 1	
			4,791 10 2
			78,528 8 9

Certificate.

We have audited the statement of Receipts and Expenditure of the Indian Coal Grading Board for the year ended 31st March 1938, as above set forth. We have obtained all the information and explanations we have required, and we certify the said statement to be correct and in accordance with the books and vouchers submitted to us.

S. R. BATLIBOI & Co.,
Incorporated Accountants, Registered Accountants, & Auditors.

1B, OLD POST OFFICE STREET ;
Calcutta, the 20th July, 1938.

J. R. HARRISON,
President,
Indian Coal Grading Board.

S. N. BANERJEE,
Secretary,
Indian Coal Grading Board.

INDIAN COAL GRADING BOARD.

REPORT FOR THE YEAR ENDING 31ST MARCH 1938.

Constitution of the Committee.—The constitution of the Committee on the 31st March 1938 was as under:—

PRESIDENT.

J. R. Harrison, Esq., Chief Mining Engineer, Railway Board, *Ex-officio.*

MEMBERS.

Rai A. C. Banerjee Bahadur, M.A., C.I.E. Nominated by the Government of Bengal.

Rai Bahadur N. N. Roy., B. A., Nominated by the Government of Bihar.

Rao Bahadur D. D. Thacker, M. I. M. E.
B. N. Mondal, Esq.
K. Dutt, Esq.
B. K. Roy, Esq.
A. L. Ojha, Esq.
D. V. Parkhani, Esq.
P. Basu, Esq.
} Nominated by the Indian Mining Federation.

R. B. Whitehead, Esq. Nominated by the Indian Mining Association.

S. N. Banerji, Esq.—*Secretary.*

Popularisation of Soft Coke.—As in previous years the policy of the Committee for popularising soft coke as a domestic fuel was vigorously pursued and in doing so every effort was made to bring the soft coke consumers, the dealers and manufacturers in touch with one another.

Method of Propaganda.—The activities of the Committee extended over the Punjab, United Provinces, Delhi, Bombay, Kathiawar States, Madras and the East Coast Section of the B. N. Railway. The principal towns of these Provinces, with a comparatively large population, were selected for propaganda purposes.

The propaganda staff of the Committee carried out house to house visits and gave practical demonstrations with a view to convincing house-holders of the suitability of soft coke as a domestic fuel. The economic and hygienic values of soft coke as also its advantages over other fuels were also explained to the general public.

Soft coke and portable ovens were distributed free at all propaganda centres. Permanent ovens, Angethies, Chullahs or Sugries of mud and bricks were also constructed by the Committee's staff at private residences, hotels and boarding houses at various towns at the cost of the Committee. The Lady Officers of the Committee worked amongst the women folk with great success. All possible help was rendered to the consumers in obtaining their supplies of soft coke. The staff was also directed to outstations to carry on propaganda work.

Propaganda Centres.—The Committee maintained propaganda Centres at Agra, Ahmedabad, Allahabad, Aligarh, Bombay, Bareilly, Berhampur (Ganjam), Cawnpore, Cuttack, Delhi, Lahore, Lucknow, Muttra, Mirzapore, Madras, Poona and Rajkot.

Ahmedabad, Aligarh, Bareilly, Muttra, Mirzapur, Madras, Poona and Rajkot were temporarily closed towards the end of the year and the staff transferred to new Centres.

Propaganda Depots.—With a view to encouraging Soft Coke dealers to stock and interest themselves in the sale of coke, the Committee sanctioned depot rents to assist depot holders in Bombay.

Publicity.—The publicity work of the Committee was carried on through newspaper advertisements distribution of handbills and leaflets etc. Literature explaining the advantages of Soft Coke and instructions as to how the fuel should be ignited were also distributed, Pictorial posters were displayed at all propaganda centres and enamel signs and posters were exhibited at important stations on the principal railways. Advertisements were also made through "Kiosks" at certain towns.

The Committee's films were shown free to the public and advertisements were also made through lantern slides.

During the year the Committee issued a publication containing much useful information on Soft Coke and a Calendar for the year 1938.

Participation in Exhibition and Melas.—The Committee took part in many exhibition melas and fairs and were awarded medals and certificates of merit by the various exhibition authorities for practical demonstrations on the use of soft coke.

Experiments and Research Work.—Experiments on the manufacture of Soft Coke by improved methods and on a commercial basis were carried out at collieries under the supervision of the local Sub-Committees in the coalfields. The research work on Soft Coke, carried out at the Indian School of Mines, Dhanbad, is receiving the attention of the Committee.

Inspection of loading of Soft Coke at the Collieries.—The Committee's staff continued to inspect free of charge the loading of soft coke wagons in the Jharia Coal-field, on behalf of such consumers who agreed to this being done.

Prices of Soft Coke.—During the year there was an acute shortage of labour in the Coalfields and, consequently, the price of Soft Coke was very unsettled. During latter part of 1937 to March 1938 the position was further aggravated by a continued wagon shortage and prices rose from Rs. 7 to Rs. 8 per ton.

Meetings.—During the year under review 12 meetings were held and all decisions were arrived at unanimously.

Despatches of Soft Coke.—830,784 tons of Soft Coke were despatched from the Bengal and Bihar Coal-fields during the year 1937 as against 915,719 tons during 1936. Despatches were adversely affected by the drop in raisings at most collieries, labour shortage and the continued wagon shortage from December 1937 to March 1938.

Financial position of the Committee.—A statement of audited accounts for the year 1937-38 is enclosed herewith.

J. R. HARRISON,
President.
Soft Coke Cess Committee.

Calcutta, the 20th July 1938.

THE INDIAN SOFT COKE CESS COMMITTEE CALCUTTA.

Statement of Receipts and expenditure for the year ended 31st March 1938.

Receipts.

	Rs. A. P.	Rs. A. P.
To Opening Balances on 1st April 1937 :—		
With Imperial Bank of India, Calcutta :—		
Fixed Deposit Account	10,000 0 0	
Current Account	19,462 8 4	
5 per cent. Loan, 1945-55	500 0 0	
6½ per cent. Loan, 1931 City of Bombay Improvement Trust	500 0 0	
Permanent Advances	285 0 0	
Security Deposits	106 0 0	
Cash in Hand	17 6 9	
		30,870 15 1
To Receipts during the year :—		
(a) Under section 3 (2) of the Act	1,04,306 11 9	
(b) Under section 5 of the Act	*Nil*	
(c) Obtained from measures taken for promoting the sale or improving the methods of manufacture of Soft Coke	32 10 0	
(d) Interest from Investments	175 0 0	
(e) Miscellaneous	20 6 9	
		1,04,534 12 6
	..	1,35,405 11 7

Expenditure.

	Rs. A. P.	Rs. A. P.	Rs. A. P.
By Expenditure during the year :—			
(a) Administration of the Committee		23,254 5 0	
(b) Measures taken for promoting the sale of Soft Coke		82,575 7 11	
(c) Measures taken for improving the method of manufacture of Soft Coke		*Nil*	
(d) Contributions to Industrial Exhibitions		*Nil*	
(e) Miscellaneous		3,042 2 0	
			1,08,871 14 11
By Closing Balances on 31st March, 1938 :—			
With Imperial Bank of India, Calcutta :—			
Fixed Deposit Account		10,000 0 0	
Current Account		15,084 11 8	
5 per cent. Loan, 1945-55		500 0 0	
6½ per cent. Loan, 1931 City of Bombay Improvement Trust		500 0 0	
Miscellaneous advances during the year		245 0 0	
Security Deposits		96 0 0	
Permanent Advances :—			
In previous year	90 0 0		
Made during the year	8 0 0		
		98 0 0	
Cash in Hand		10 1 0	
			26,533 12 8
			1,35,405 11 7

Certificate.

We have audited the statement of Receipts and Expenditure of the Indian Soft Coke Cess Committee for the year ended 31st March 1938, as above set forth. We have obtained all the information and explanations we have required, and we certify the said statement to be correct and in accordance with the books and vouchers submitted to us.

S. R. BATLIBOI & Co.,

Incorporated Accountants, Registered Accountants & Auditors.

1B, OLD POST OFFICE STREET;

Calcutta, the 20th July, 1938.

J. R. HARRISON,
President,
Indian Soft Coke Cess Committee.

S. N. BANERJEE,
Secretary,
Indian Soft Coke Cess Committee.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 28th July 1938.

No. 104-P.—No. 2126 Jemadar Jaswant Singh Bopa Rai, I.M.D., Sub-Assistant Surgeon who was in the Entomological Section of the Central Research Institute, Kasauli is granted leave on average pay for one month with effect from the 3rd December 1937 and the remaining period of two months' leave granted to him in this office Notification No. 69-P., dated the 14th December 1937, is cancelled. He was recalled to duty by the Director, Central Research Institute, Kasauli in the interests of the Indian Research Fund Association. His recall to duty was compulsory.

(This office notification No. 74-P., dated the 24th January 1938, is hereby cancelled.)

No. 106-P.—The services of 1st Class Assistant Surgeon J. W. Cazalet, I.M.D., are placed at the disposal of the Chief Commissioner, Delhi for temporary employment as Assistant to the Civil Surgeon, Delhi, for four months with effect from the 24th June 1938.

New Delhi, the 1st August 1938.

No. 105-P.—The services of No. 2138 Jemadar Ajit Singh, I.M.D., are replaced at the disposal of the Director of Medical Services in India with effect from the 20th May 1938.

CORRIGENDUM.

New Delhi, the 4th August 1938.

No. F.-10-1/38/74-P.—In the 5th and the 6th line of the Director-General, Indian Medical Service, Notification No. F.-10-1/38/44-P., dated 15th June, 1938, published on page 747 of Part II of the *Gazette of India* of 18th June 1938 *for* "P. P. Canteenwalla" *read* "J. P. Canteenwalla" and *for* "afternoon of 23rd May" *read* "forenoon of 23rd May".

N. M. WILSON,

Major-General, I.M.S.,
Director-General, I.M.S.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATION.

Simla, the 29th July 1938.

No. 98/An.—Mr. M. L. Mehra, Deputy Controller of Military Accounts, Lahore, is granted privilege leave for 1 month and 26 days from the 4th August 1938 with permission to affix thereto the Dusehra holidays from the 30th September to 3rd October 1938.

J. PARLBY,

Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

Simla, the 25th July 1938.

No. S.-107/2/37.—Messrs. E. C. Buswell and J. F. Dalby, Deputy Assistant Engineers, Telegraphs, Grade A, are appointed substantively as Assistant Engineers, Telegraphs with effect from the 1st April 1938.

2. Messrs. E. W. Jones and W. E. Godfrey, Deputy Assistant Engineers, Telegraphs, Grade B, are appointed substantively as Deputy Assistant Engineers, Telegraphs, Grade A, with effect from the 1st April 1938.

3. The following Engineering Supervisors, General are appointed substantively as Deputy Assistant Engineers, Telegraphs, Grade B, with effect from the dates noted against each :—

Mr. N. K. Mitra—12th November 1937.

Mr. V. P. Krishnaswamy—7th February 1938.

Mr. S. C. Chatterjee—1st April 1938.

Mr. V. L. N. Murty—1st April 1938.

Mr. Mirajudin Mirza—17th June 1938.

Mr. H. R. Francis—1st July 1938.

Simla, the 30th July 1938.

No. S.-107/9.—Mr. M. N. Mirza, Assistant Divisional Engineer, Telegraphs is granted leave on average pay for 18 days with effect from the 14th July 1938 in extension of the leave granted to him in this Department Notification No. S.-107/9, dated the 21st June 1938.

Simla, the 1st August 1938.

No. S.-75/16.—Mr. E. D. Geils, Assistant Deputy Director General, is granted leave on average pay for 3 months with effect from the 15th August 1938 or the date of his relief.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 20th July 1938.

No. 6709-A.-C. T./2-E./27.—Mr. J. C. Gupta, B.A., Acting Assistant Commissioner of Income-tax, Range No. I is, on being relieved by Mr. W. A. Phillippe, posted as Assistant Commissioner of Income-tax, Range No. III.

2. Mr. S. Ahmed, M.A., Officiating Assistant Commissioner of Income-tax, Range No. III is, on being relieved by Mr. J. C. Gupta, posted as Assistant Commissioner of Income-tax, Range No. IV.

3. Mr. S. K. Ghosh, B.A., Assistant Commissioner of Income-tax, Range No. IV is, on being relieved by Mr. S. Ahmed, transferred as Assistant Commissioner of Income-tax, Range No. VI.

This cancels my Orders Nos. 3519-C. T., dated the 28th May 1938 and 4189-C. T., dated the 8th June 1938.

Calcutta, the 28th July 1938.

No. 7182-C. T./2-E./26.—Mr. A. K. M. Ehya Sadique, B.A., Superintendent of Survey (Income-tax Officer), Calcutta is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 2 months and 24 days with effect from the 4th July 1938 with permission to prefix Sunday, the 3rd July 1938 and to affix the Puja Holidays from the 28th September 1938 to the 8th October 1938 and Sunday, the 9th October 1938 to his leave.

S. N. BANERJEA,
Commissioner of Income-tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 27th July 1938.

No. A. E.-2134/Prom./4/1.—Mr. K. Bathgate, Assistant Superintendent, Junior Scale, Transportation (Traffic) and Commercial Department of the Superior Revenue Establishment, East Indian Railway, is promoted to the Senior Scale, provisionally, with effect from the 15th March 1938.

Calcutta, the 30th July 1938.

No. E. P.-52.—Mr. R. M. Watson, Assistant Bridge Engineer, Junior Scale has been granted one month and one day's leave on average pay, with effect from the 30th August 1938 or subsequent date of relief.

No. E. P.-902.—Rai Sahib D. K. Bose, Assistant Signal Engineer, Lower Gazetted Service has been granted 4 months leave on average pay with effect from the 27th July 1938 or subsequent date of relief.

J. A. BELL.
General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATIONS.

Calcutta, the 25th July 1938.

No. 80-E./16.—The following officers of the Transportation (Power) and Mechanical Engineering Departments, Eastern Bengal Railway, are promoted to the Senior Scale with effect from the dates noted against each.

Name.	Date of promotion.
Mr. R. C. Paranjoti . .	23rd February 1938.
Mr. F. A. Smith . . .	14th July 1938.

A. F. HARVEY,
General Manager.

Calcutta, the 26th July 1938.

No. 23.—Mr. S. S. Halder, Asstt. Traffic Superintendent was granted leave on average pay for 1 month and 5 days with effect from the 19th June 1938 with permission to affix Sunday, the 24th July 1938.

L. W. VAN SOMEREN,
Traffic Manager.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 26th July 1938.

No. 81.—R. S. Kirpa Narain, Junior Assistant Personnel, is granted leave on average pay for 2 months with effect from the 3rd August 1938 or subsequent date of relief.

J. MACKINNON,
General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 30th July 1938.

No. 21620-S./2184.—Mr. S. M. Hassan, Assistant Executive Engineer (Junior Scale) has been appointed to officiate in the Senior Scale with effect from 29th May 1938.

Mr. W. L. Kermack, Assistant Transportation Superintendent (Junior Scale) has been granted 5 months and 2 days combined leave (*viz.*, 4 months on average pay and 1 month and 2 days leave on half average pay) with effect from 17th June 1938.

J. H. F. RAPER,
General Manager.

REPORT OF ABSENTEE.

Report of a deserter or absentee from the 1st Battalion, The Dorsetshire Regiment, Cherat, N. W. -F. P.

Date and time of absence—31st July 1938. 21-30 hrs.
Army No. 5725225.
Rank—Pte.
Name—SMITH, Frederick Albert (*alias* Harrison).
Age—22 years.
Eyes—Brown.
Hair—Dark.
Complexion—Dark.
Trade—Gardner.
Place and date of enlistment—Dorchester, Dorset, 20th September, 1934.
Parish and county in which born—Stamford, LINCOLNSHIRE.
Distinguishing marks—Nil.

CHERAT,
The 1st August,
1938.

Illegible,
Major,
Commanding, 1st Battalion,
The Dorsetshire Regiment.

REGISTERED No. L. 3131.

CORRIGENDUM.

On page 935, *Gazette of India*, Part II, dated the 6th August 1938, over the Report of the Soft Coke Cess Committee, *for* the heading **"INDIAN COAL GRADING BOARD"** *read* **"INDIAN SOFT COKE CESS COMMITTEE"**.

The Gazette of India

NEW DELHI, SATURDAY, AUGUST 13, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage. Rs.	A.	P.	Additional postage for supplies out of India. Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

	Including packing and Indian postage. Rs.	A.	P.	Additional postage for supplies out of India. Rs.	A.	P.
Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 13th August 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

August 1, 1938.

25504. G. T. Wadaye. Improvement in the construction of metal vessels, which are used for handling hot solids or liquids.

25505. A. Goditiabois and F. J. Pirlot. Vibrating roller.

25506. Dr. C. Otto. Improvements in or relating to regeneratively heated chamber ovens for producing gas and coke. (June 2, 1938).

25507. Vibramat, Societe Anonyme. Improvements in or relating to vibrating apparatus.

25508. I. G. Farbenindustrie Aktiengesellschaft. A process of producing indigo dyeings. (September 13, 1937).

25509. I. G. Farbenindustrie Aktiengesellschaft. The manufacture of water-insoluble azodyestuffs on vegetable fibres. (August 4, 1937).

25510. E. Hoyer. Method of producing armoured concrete. (April 22, 1938).

25511. The General Electric Co., Ld. Improvements in or relating to electric discharge tubes. (August 18, 1937).

25512. The General Electric Co., Ld. Improvements in or relating to electric discharge lamps comprising a refractory body adapted to be heated to incandescence by the discharge. (August 19, 1937).

25513. Societe Financiere de Transports et d'Entreprises Industrielles (Sofina) Societe Anonyme. Process for the heating of coal above or in mixture with other materials particularly designed to realise the globulation of the coal.

25514. Aktiebolaget B. A. Hjorth & Co. Improvements in illuminating apparatus operating with a gasification burner and glow mantle.

25515. Rai Bahadur Tej Ram. Improvements in or relating to persian wheels.

25516. B. Ames. Improved electric cooking apparatus.

25517. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to electron discharge device amplifiers.

25518. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to electron multipliers.

25519. B. Nier. A manner of and apparatus for closing the fuel container of a hurricane lantern. [Addition to No. 24499].

25520. R. S. Shahu. An improved railway compartment.

August 2.

25521. P. V. Hattangdi. An improved process and apparatus for production of stereoscopic cinematographic films for projection of stereoscopic movies.

25522. G. Sembdner. Wear resistant plating. (March 2, 1938).

25523. A. Magnani. Improvements in or relating to the corrugating and trimming of sheets of asbestos cement or the like when in plastic condition.

25524. S. Ezaki. Improved manufacture of cocoa substitutes.

August 3.

25525. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). Improvements in dust engines.

25526. Electrical Research Products Inc. Improvements in or relating to the purification of rubber. (September 28, 1937).

25527. Ercole Marelli & C., S. A. Improvements in brushholders for electric machines, particularly of high and medium voltages.

August 4.

25528. P. K. Saunders. Improvements in and relating to fluid controlling valves.

25529. The General Electric Co. Ld. Improvements in or relating to mercury luminous electric discharge devices. (October 21, 1937).

August 5.

25530. Non-Drip Measure Co., Ld., F. W. Berwick and A. G. Berwick. Improvements in or relating to pistons and the like. (August 20, 1937).

25531. P. M. Salerni. Improvements in or relating to hydraulic power transmission apparatus. (August 6, 1937).

25532. W. B. Pratt. An improved cellulose hydrate product and method of making the same. (August 28, 1937).

25533. Fried. Krupp Grusonwerk Aktiengesellschaft. A method and apparatus for preparing materials of dust-like consistency, such as for example cement making materials. (June 9, 1938).

Alteration of date.

(I)

The priority date, "(May 12, 1936)" notified in respect of patent application No. 23993, under the heading "Applications Accepted" in the *Gazette of India*, Part II, dated the 21st May 1938, has been altered to "June 12, 1936".

(II)

25332. Ante-dated 7th August 1937 under Section 5.

(III)

25361. Ante-dated 5th July 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24099. A. N. Rao. An extraction method for the recovery of cane-sugar from molasses. *Treating with a mixture of ethyl alcohol and glacial acetic acid.*

24303. R. Casas-Robert. Portable ensemble formed by a sewing machine and a casing in which to place and to carry said sewing machine. *Base to form the bottom of the casing having two leaves so articulated with one another that when opened to form a table.*

24305. R. Casas-Robert. Sewing machine. *Key, housed in a groove and forced to project by spring, engages a groove or keyway in the hub in order to fix either one or the other on the shaft.*

24593. O. K. Kolb. Improvements in and relating to the production of sound films. (November 19, 1936). *Two or more electro-optical recording devices are used to produce tracks of variable area type.*

24634. F. Perkins Ld. Improvements in or relating to internal combustion engines of the compression ignition type. (December 17, 1936). *Offset combustion chamber and tangential passage.*

24749. S. Marsoni. Process for obtaining cellulose from vegetable fibres. *Soaking in dilute solution of alkali and then washing with warm calcium chloride solution.*

24776. T. H. Laird. Improvements in or relating to pressing rollers for spinning frames or the like. *Circular member of wearing material supported on a ledge and side members extend right up to the outer peripheral wearing surface.*

24778. The Buell Combustion Co. Ld. Improvements in or relating to dust collectors for use with steam generating plant. *Feed water heater placed inside centrifugal dust collector.*

24855. P. Uldall. An anti-waste cock. [Addition to No. 22715]. *One centrally seated ball valve and ball valves at the top of lower and upper chambers with a plunger working in the upper chamber.*

24998. Mushtaq Ali Khan. Improvements in or relating to the manufacture of glass rings and particularly bangles. *Mould with recesses and core.*

25054. Automatic Telephone and Electric Co. Ld. Improvements in spark quenching arrangements for use in telephone or like systems. (April 6, 1937). *Washer composed of material whose resistance decrease with increase of voltage interposed between contact springs of switch.*

25063. Dr. M. S. Rami. Improved means for assisting in vocal articulation and the curing of stammering. *Comprising a palatal bar secured to the palate carrying a flute or reed.*

25102. A. Baer. Rotating slide valve packing for combustion engines. *Gaps between several parts of packing plate and filling material.*

25118. P. M. Salerni. Improvements in or relating to hydraulic power transmission apparatus. *Outlet of impeller ducts situated in outer part of circuit.*

25332. R. Casas-Robert. Sewing machine. [Ante dated August 7, 1937]. *Electric bulb situated inside the upper arm and lighting the work in operation through a window.*

25361. Research Corporation. The manufacture of pyrimidine compounds. (June 2, 1937.) [Ante-dated July 5, 1937.] *2 methyl 5 alkyl (or aralkyl) 6 amino pyrimidine compounds by esterifying Bethoxypropionitrile, condensing with formic ester, and again with acetamidine hydrochloride chlorinating and replacing the C1 group with* NH_2 *group.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23639. Eisen-u. Stahlwerk Walter Peyinghaus.
23809. Auto Union A-G.
23900. Auto Union A-G.
24121. Zarotschenzeff.
24122. Zarotschenzeff.
24135. Mistry Mohd. Din.
24136. Saraswati Industries, Ld.
24139. Saraswati Industries, Ltd.
24140. Saraswati Industries, Ld.
24143. Rauchfuss.
24170. Curtis.
24211. Pescara.
24320. Auto Union A-G.
24321. Auto Union A-G.
24433. Brevets Francotte Pour Chassis de fenetres Metalliques, Societe Anonyme En Abrege " Francochass ".
24561. Geha-werke Gebruder Hartmann.
24575. Lal Chand.
24636. The British Steel Piling Co., Ld. and Hiley.
24722. Chilowsky.
24733. Metallgesellschaft Aktiengesellschaft.
24774. I. G. Farbenindustrie Aktiengesellschaft.
24831. Maybach-motorenbau, Gesellschaft mit beschrankter Halftung.

24892. Sheffield, and G. H. Sheffield & Co. (Engineers) Ld.
24951. Fichtel & Sachs Aktiengesellschaft.
24952. Brammer.
24988. C. W. Cheney & Son, Ld., and Cheney.
24995. Dr. Ing. C. Weicken & Co.
25011. Dunlop Rubber Co. (India), Ld.
25029. Ilbery.
25043. Lundberg and Flodin.
25048. Osterreichische Chemische Werke Gesellschaft m. b. H.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23848. Kilgore.
23871. Roy.
24295. Schwartz and Chavannes.
24300. Bochumer Verein fur Gussstahlfabrikation Aktiengesellschaft.
24379. Hugo Schneider Aktiengesellschaft.
24410. Murray.
24458. Mehta and Jolly.
24485. Morgan.
24514. Standard-Licht Gesellschaft mit beschrankter Haftung.
24635. Morgan.
24756. Richard Thomas & Co., Ld.
24762. Marconi's Wireless Telegraph Co., Ld.
24763. Automatic Telephone & Electric Co., Ld.
24765. Salani and Passardi.

Patents Sealed.

23552. Kadenacy and Armstrong Whitworth Securities Co., Ld.
23634. Universal Oil Products Co.
23772. Auto Union A-G.
24036. Longinotti.
24061. de Blicquy.
24151. Dr. Bekk & Kaulen Chemische Fabrik G. m. b. H.
24272. International General Electric Co. Inc.
24273. International General Electric Co. Inc.
24284. Swiss Lamps & Hardware Co., Ld.
24310. E. I. Du Pont De Nemours And Co.
24434. Shackles Proprietary Ld.
24435. Callender's Cable and Construction Co., Ld.
24486. Dowling.
24489. Dr. C. Otto & Comp. G. m. b. H.
24490. Societa' Anonima Manifattura Di Altessano.
24530. " Pertrix " Chemische Fabrik Aktiengesellschaft.
24570. Society of Chemical Industry in Basle.
24637. Lodetti, Negrini and Sbarberi.
24638. Callender's Cable and Construction Co., Ld.
24652. Harbord and Harbord.
24658. Hugo Schneider Aktiengesellschaft.
24665. Honda.
24673. Davidson & Co., Ld.
24677. Jeffcock.
24697. The Franco-British Electrical Co., Ld., and Brackensey.
24698. Non-Drip Measure Co., Ld., Berwick and Berwick.
24726. The Burmah Oil Co., Ld.
24727. Society of Chemical Industry in Basle.
24732. Universal Oil Products Co.
24755. Foster.
24964. I. G. Farbenindustrie Aktiengesellschaft.

Amendment Proceedings.

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Textile Appliances, Ld., of 8, Clive Row, Calcutta, Bengal, British India, seek leave to amend the specification and drawings of their patent No. 21918. Any person desirous of opposing the application for amendment should, at any time within three months from the date of this *Gazette*, give notice of his intention to do so in the prescribed form (Form No. 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta.

The proposed amendments are as follows :—

Page 5, line 30, *for* " co-operates " *read* " co-operate ".

Page 5, line 32, *delete* the words " and as they " and *substitute* " by means of two sets of double springs 29 acting on the levers 6 to bias them about their pivots 48 in such a manner that the centres are thereby urged towards one another. As the said centres ".

Page 6, line 56, *before* the word " retract " *insert* " pivot the levers 6 outwards about their pivots 48, against the action of the springs 29, and thereby ".

Page 7, line 9, *for* the words " final rotation " *read* " final part of the rotation ".

Page 7, line 9, *for* the words " then causes the centres 5 " *read* " then causes the cam 20 to release the levers 6 from positive action thereby and the said levers 6 are then returned by pivoting about their pivots 48 under the action of the springs 29 to their normal position previously described, thus causing the centres 5 ".

Page 7, line 10, *for* the word " and " *substitute* the words " so that ".

Page 7, line 22, *for* " the centres 5 are withdrawn." *substitute* " the centres 5 are withdrawn as above described."

In the drawings :—

In sheet 1, *cancel* the Figure numbered 2 and *substitute* a fresh Figure 2. A copy of the fresh figure 2 may be inspected free of charge at the Patent Office, 1, Council House Street, Calcutta.

Opposition Proceedings.

(I)

The opposition entered by the Chief Controller of Standardization, Central Standards Office for Railways, Railway Board, to the grant of a patent on application No. 23487 made by T. L. Price and Spencer and Co., Ld., and notified in Part II of the *Gazette of India*, dated the 27th November 1937, has been allowed and the grant of a patent has been refused.

(II)

An opposition has been entered by the Ahmedabad Manufacturing and Calico Printing Co., Ld., to the grant of a patent on application No. 24692 made by Sethu Meenakshi Sundrum.

Registration of Assignments, Licenses, etc.

Assignments, licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

No. 22149. Pirelli, Ld.
Nos. 22638 and 22639. Telephone Manufacturing Co., Ld.
Nos. 22760, 22891, 22940, 22970 and 23286. Automatic Telephone & Electric Co., Ld.
No. 23123. August Carl Hussnigg.

Renewal Fees Paid.

PATENTS.

10658. Bayer. (To 22nd September 1939).
11582. Harris. (To 18th September 1939).
11866. Harris. (To 17th October 1939).
14748. Standard Oil Co. of New York (altered to Socony Vacuum Oil Co. Inc.) (To 30th August 1939).
14862. Electrical Research Products Inc. (To 1st October 1939).
16122. I. G. Farbenindustrie Aktiengesellschaft. (To 9th August 1939).
16156. Casablancas. (To 20th August 1939).
16166. Albert E. Reed & Co., Ld. (To 26th August 1939).
16220. E. I. Du Pont De Nemours & Co. (To 9th September 1939).
16260. Fraser and ors. (To 23rd September 1939).
17315. Casablancas. (To 18th August 1939).
17571. Compagnie Internationale Des Pieux Armes Frankignoul Societe Anonyme. (To 24th November 1939).
18412. Lower. (To 12th October 1939).
18475. I. G. Farbenindustrie Aktiengesellschaft. (To 7th November 1939).
19113. S. K. Chakravarti Ld. (To 5th August 1939).
19122. Tres Gyogyszer-Vegyeszeti Ipari Es Kereskedelmi R. T. (To 9th August 1939).
19164. Leslie. (To 5th September 1939).
19177. Guggenheim Brothers. (To 5th September 1939).
19346. Asplund. (To 31st October 1939).
19352. Howards & Sons Ld. and ors. (To 8th November 1939).
19471. Sheffield and ors. (To 13th October 1939).
19871. Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (To 10th October 1939).
20136. Venkatasastri. (To 1st August 1939).
20154. Renny and anr. (To 12th August 1939).
20213. Usines De Melle. (To 4th September 1939).
20246. Naamlooze Vennootschap Chemische Fabrik L. van der Grinten. (To 18th September 1939).
20328. Moore. (To 24th October 1939).
20346. Imperial Chemical Industries Ld. (To 30th October 1939).
20372. I. G. Farbenindustrie Aktiengesellschaft. (To 13th November 1939).
20489. I. G. Farbenindustrie Aktiengesellschaft. (To 27th November 1939).
21050. Sinha. (To 30th July 1939).
21064. Filtration & Water Softening Proprietary Ld. (To 18th August 1939).
21096. Compagnie Internationale Des Pieux Armes Frankignoul Societe Anonyme. (To 4th December 1939).

Cessation of Patents.

12139. Metals Production Ld.
13222. Parker Rust Proof Co.
13223. Parker Rust Proof Co.
17993. Shibukawa.
19751. Shibukawa.
19845. Allmanna Svenska Elektriska Aktiebolaget.
19875. L'Huile Des Records Du Monde S. A. F. formerly known as Yacco S. A. F.
20819. Tweeddale.
20821. Imperial Chemical Industries Ld.
20823. Fronteras and anr.
20824. McDermott & ors.
20825. Peter Jackson (Tobacco Manufacturer), Ld.
20828. McCorquodale & Co., Ld.
20829. Rollo and ors.
20832. Brodie and ors.
20974. Duintjer Wilkens Meihuizen and Company Naamlooze Vennootschap.
20975. Duintjer Wilkens Meihuizen and Company Naamlooze Vennootschap.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets :—

Class 1. No. 63346. Arni Kandaswami Mudaliar Manicka Mudaliar, Sole Proprietor of Nelson & Co., No. 62-A, Swami Pillai Street, Choolai, Madras. May 25, 1938.

Class 1. No. 63548. Sheikh Babumiya Mohamed Mistry, of 715, Bhavani Peth Poona 1, Bombay Presidency, British India. July 12, 1938.

Class 3. No. 63179. Acme Protection Equipment Co., of City of Pittsburgh, State of Pennsylvania, United States of America. March 19, 1938. (Reciprocity date 5th March 1938).

Class 4. No. 63557. Chinnu & Co., of Mettu Street, Salem, Madras Presidency, British India. July 15, 1938.

Class 9. No. 63572. Konda Srinivas, of Mynateppakulam Lane No. 1, East Gate, Madura (South India). July 20, 1938.

Class 13. No. 63546. The Ahmedabad Manufacturing and Calico Printing Co., Ld., of Ahmedabad, Bombay Presidency, British India. July 12, 1938.

Class 13. No. 63550. The Standard Mills Co., Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. July 14, 1938.

Class 13. No. 63551. The New Shorrock Spinning and Manufacturing Co., Ld., of Nadiad (District Kaira), Bombay Presidency, British India. July 14, 1938.

Class 13. Nos. 63552 to 63555. The Indian Bleaching, Dyeing & Printing Works, Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. July 14, 1938.

Class 13. Nos. 63559 to 63565. The Calico Printers' Association, Ld., of St. James' Buildings, Oxford Street, Manchester, England. July 18, 1938.

Class 13. Nos. 63568 to 63570. The Mafatlal Fine Spg. & Mfg. Co., Ld., of Navsari, Baroda State. July 18, 1938.

Class 13. Nos. 63573 to 63575. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 22, 1938.

Class 14. Nos. 63576 to 63578. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 22, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of the entry is the date of registration of the designs included in the entry :—

Class 13. Nos. 37163 and 37164. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. October 30, 1928.

Class 14. No. 37856. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. November 13, 1928.

Class 14. Nos. 37972 and 37974. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. November 19, 1928.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of the entry is the date of registration of the designs included in the entry :—

Class 13. Nos. 57087, 57094 to 57097, 57099, 57100, 57104, 57115, 57121, 57130, 57137 and 57139. E. D. Sassoon & Co., Ld., of E. D. Sassoon Building, Ballard Estate, Bombay, British India. August 25, 1933.

Class 13. Nos. 57270 and 57272. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. October 11, 1933.

Class 13. No. 57328. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. October 25, 1933.

Class 13. Nos. 57342 and 57344. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. November 1, 1933.

Class 14. No. 57296. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. October 11, 1933.

Class 14. No. 57331. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. October 25, 1933.

Class 14. No. 57414. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. November 22, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of e Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.

CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). .	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON. . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Calcutta, the 3rd August 1938.

Portions of the following note of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Case No.	Number of Note.	Value.	Name and address of the applicant.
		Rs.	
W.D./17 of 1938.	S/52-891325	100	Baldeo Prashad, C/o Arya Samaj, Kanauj, Farukhabad.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

S. GUPTA,

Currency Officer.

Cawnpore, the 9th August 1938.

Portions of the following note of the Cawnpore Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
T/6-203102	100	B. Sheo Prasad Srivastava, Rais and Zamindar, Village Mohammadpur, P. O. Mohamadi, District Kheri.

M. K. BHATTACHARYYA,

Currency Officer.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT, CAWNPORE.

RESERVE BANK OF INDIA.

NOTIFICATION.

Bombay, the 5th August 1938.

No. 25.—Rana Sher Jang Khan is appointed an officer, Reserve Bank of India, Agricultural Credit Department, Bombay, with effect from the 1st January 1938.

MANILAL B. NANAVATI,

Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Calcutta, the 5th August 1938.

The following appointment on the Bank's Staff is hereby notified:—

Mr. Nihal Chand Khanna, Clerk, was in charge of Jaitu Pay Office (in Nabha State) under Ludhiana Branch, from the 10th to the 24th July 1938, inclusive, *vice* Mr. Makhan Lal Taneja.

H. J. FITZ-PATRICK,

Offg. Secretary & Treasurer.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATION.

Simla, the 6th August 1938.

No. D.-461 (10).—Mr. M. Nizam-ud-din Ahmed, Dipl. Ing. (Berlin), M.V.D.E. (Berlin), Assistant Engineer (Inspection), Calcutta Circle, Indian Stores Department, is granted leave on average pay from the 21st June 1938 to the 30th September 1938.

J. S. PITKEATHLY,

Chief Controller of Stores.

INTELLIGENCE BUREAU (HOME DEPARTMENT).

GOVERNMENT OF INDIA.

NOTIFICATION.

Simla, the 8th August 1938.

No. 20-Ests./36.—With reference to this Bureau's Notification No. 20-Ests./36, dated the 17th May 1938, Mr. Shankar Dayal Shukul, Deputy Central Intelligence Officer, Nagpur, was permitted to re-join duty at Nagpur on the forenoon of the 3rd August 1938. The unexpired portion of his leave is hereby cancelled.

C. R. B. MURRAY,

for Director, Intelligence Bureau,
(Home Department),
Govt. of India.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI.

NOTIFICATION.

New Delhi, the 5th August 1938.

No. 5853.—Dr. M. Mitra, Assistant Mycologist is granted further extension of leave on average pay on Medical Certificate for four months, with effect from 17th July 1938.

B. VISWA NATH,

Director.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on:
- Week-days and Saturdays from 10 A.M. to 7 P.M.
- Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 13th August 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,
Indian School of Mines.

DEPARTMENT OF CENTRAL EXCISES AND SALT, NORTHERN INDIA.

NOTIFICATION.

Delhi, the 4th August 1938.

No. 3-C. E./38.—For the word "Sibsagar" appearing in this department Notification No. 1-C. E./38, dated 1st April 1938, substitute the word "Lakhimpur" and for the words "in Dibrugarh district" substitute the words "at Digboi in that district".

F. C. KING, I.C.S.,
Commissioner,
Central Excises and Salt,
Northern India.

ROYAL INDIAN NAVY.

NOTIFICATION.

LEAVE.

Bombay, the 6th August 1938.

No. 51.—Engineer Lieutenant G. W. A. Burgess, R.I.N., is granted 14 months' absence from India, from 5th August 1938. The first 3 months will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

C. J. NICOLL,
Captain,
for Flag Officer Commanding,
Royal Indian Navy.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 3rd August 1938.

No. 5-An.—Mr. J. E. Moriarty, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Southern Command, is granted privilege leave for 3 months from the 26th July 1938.

No. 5-An.—Mr. B. B. Tarawade, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Southern Command, reverted to his substantive grade, with effect from the afternoon of the 19th July 1938.

Simla, the 5th August 1938.

No. 2 (a)-An.—Mr. Gurmukh Singh, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, is granted privilege leave pending retirement for four months, with effect from the 1st August 1938.

No. 2 (b)-An.—Mr. Keshwanand, an accountant in the office of the Controller of Military Accounts, Northern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the 1st August 1938.

Simla, the 9th August 1938.

No. 4-An.—Mr. Kartar Singh, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions reverted to his substantive grade, with effect from the forenoon of the 3rd August 1938.

J. PARLBY,
Military Accountant General.

EAST INDIAN RAILWAY.

NOTIFICATION.

Calcutta, the 2nd August 1938.

No. A. E. 2134/Prom./4/1.—The following officers of the Engineering Department of the Superior Revenue, Establishment, East Indian Railway, are promoted from the junior scale to the senior scale, provisionally from the dates noted against each:—

Name.	Date of provisional confirmation to the senior scale.
Mr. A. G. Stavridi .	11th April 1936.
Mr. S. W. White .	1st April 1938.

J. A. BELL,
General Manager.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 30th July 1938.

No. 83.—The unexpired portion of leave on half average pay, *viz.*, from 23rd July 1938 to 2nd September 1938 granted to Mr. B. A. Khan, Assistant Transportation Officer under this office Notification No. 69, dated 10th June 1938, is hereby cancelled.

Lahore, the 1st August 1938.

No. 82.—Mr. N. A. Qureishy, Assistant Mechanical Engineer, an officer on probation, in the Junior Scale of the Transportation (Power) and Mechanical Branch, is confirmed in his appointment, with effect from 1st August 1938.

J. MACKINNON,
General Manager.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the creditors in column 3 of the debtors in column 4 on dates given in column 1, orders of adjudication in insolvency against the said debtors were made by the High Court of Judicature at Madras on the dates given in the last column.

Date of filing. 1	No. of petition. 2	Name of the petitioning creditor. 3	Name and address of the insolvent. 4	Date of adjudication. 5
30th May 1938.	158/38 .	Gopalji Champshi and Co. by its partners Ramdas Govindji.	T. K. Vasudeva Mudali, Maligar and Camphor Merchant, carrying on business at A-35, Andiappa Naicken Street and residing at 59, Thirupalli Street, G. T., Madras.	14th June 1938.
13th June 1938.	168/38 .	Sha Hinduji Devichand . .	Mohamed Hajee Abdul Shukur, carrying on business as General Merchant at 2, Jones Lane, Broadway, G. T., Madras.	28th June 1938.
Do. .	170/38 .	Seth Jethanand Holoram . .	R. K. Silvan & Bros., by partners N. Venkatasami Naidu and V. Narayan, Wine and Liquor Merchants, carrying on business at 162, Vepery High Road, Madras and at Rathar Bazar Road, Madras.	
27th June 1938.	180/38 .	The East Asiatic Company, Limited.	C. Govinduchetty and Sons, General Hardware Merchants and Contractors by partners C. Ponnumelu Chetty and C. G. Shanmugam Chetty carrying on business at No. 9, Singanna Naicken Street, Madras.	5th July 1938.
Do. .	181/38 .	Seth Tikum Das Kakumull . .	P. M. S. Lakshmana Chettiar, carrying on business under the name and style of P. M. S. Ponnadi Chetty & Bros., at No. 3, Peyalwarkoil Street, Triplicane, Madras.	Do.

INSOLVENCY OFFICE, HIGH COURT OF JUDICATURE AT MADRAS;
The 2nd August 1938.

R. JAYARAM,
First Asstt. Registrar.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the undermentioned debtors on dates given in column 1, orders of adjudication in insolvency were made against them by the High Court of Judicature at Madras on the dates given in the last column.

Date of filing. 1	No. of petition. 2	Name and address of the Insolvent. 3	Date of adjudication 4
19th July 1938	185/38 .	V. Abdul Rahim Saheb, and C. Abdul Rahim Saheb, partners of V. Abdul Gaffoor Saheb & Co., carrying on business in beedi leaves and tobacco, and residing at 20, Sharafally Buildings, Broadway, Madras.	25th July 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 2nd August 1938.

R. JAYARAM,
First Asstt. Registrar.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that the orders of this Court adjudging debtors insolvents mentioned in column 2, pursuant to the provisions of Act III of 1909 (the Presidency Town Insolvency Act) were annulled by orders made on the date noted against them in column 3.

No. of petition.	Name and address of the insolvent.	Date of annulment.
423 of 1936.	Abboi Chetty *alias* Munuswami Chetty, a landlord and trader, residing at 1 and 2, Balu Mudali Street, Tondiapet, Madras.	9th May 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
August 1938.

R. JAYARAM,
First Asstt. Registrar.

GOVERNMENT PUBLICATIONS

ARE OBTAINABLE FROM

THE MANAGER OF PUBLICATIONS, CIVIL LINES, DELHI, THE BOOK DEPOT, No. 8, HASTINGS ST., CALCUTTA,

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MADRAS :—Superintendent, Government Press, Mount Road, Madras.

BOMBAY :—Superintendent, Government Printing and Stationery, Queen's Road, Bombay.

SIND :- Manager, Sind Government Book Depot and Record Office, Karachi (Sadar).

UNITED PROVINCES :—Superintendent, Printing and Stationery, U. P., Allahabad.

PUNJAB :- Superintendent, Government Printing, Punjab, Lahore.

CENTRAL PROVINCES :—Superintendent, Government Printing, Central Provinces, Nagpur.

ASSAM :—Superintendent, Assam Secretariat Press, Shillong.

BIHAR :—Superintendent, Government Printing, P. O. Gulzarbagh, Patna.

NORTH-WEST FRONTIER PROVINCE :—Manager, Government Printing and Stationery, Peshawar.

ORISSA :—Press Officer, Secretariat, Cuttack.

AND OF ALL AGENTS FOR THE SALE OF GOVERNMENT OF INDIA PUBLICATIONS.

EUROPE.

OFFICE OF THE HIGH COMMISSIONER FOR INDIA,
INDIA HOUSE, ALDWYCH, LONDON, W. C. 2.

LIST OF NEW BOOKS PUBLISHED DURING JULY 1938.

NOTE.—(1) Where a symbol is given, preceding the name of the publication, it is requested that the symbol only be given when indenting and *not* the name of the Publication.

(2) Prices are inclusive of packing and Indian postage.

ACTS AND LAW BOOKS.

Acts.

1909.

IV.—**WHIPPING ACT.**—As modified up to the 1st May 1938. *Anna 1 or 1 1/2d.*

1920.

X.—**INDIAN SECURITIES ACT.**—As modified up to the 1st May 1938. *As. 2 or 3d.*

1938.

VIII.—**INDIAN TEA CONTROL ACT.** *As. 2 or 3d.*

IX.—**WORKMEN'S COMPENSATION (AMENDMENT) ACT.** *Anna 1 or 1 1/2d.*

IX.—**WORKMEN'S COMPENSATION AMENDMENT ACT** (In Urdu). *As. 3 or 4d.*

X.—**CUTCHI MEMONS ACT** (In Urdu). *Anna 1 or 1 1/2d.*

ACTS AND LAW BOOKS—*contd.*

Acts—*contd.*

1938—*contd.*

XI.—**HINDU WOMEN'S RIGHTS TO PROPERTY (AMENDMENT) ACT** (In Urdu). *Anna 1 or 1½d.*

XII.—**DURGAH KHAWAJA SAHEB (AMENDMENT) ACT.** *Anna 1 or 1½d.*

XVII.—**TRADE DISPUTES (AMENDMENT) ACT.** *Anna 1 or 1½d.*

XVIII.—**DELHI JOINT WATER BOARD (AMENDMENT) ACT.** *Anna 1 or 1½d.*

XIX.—**CHILD MARRIAGE RESTRAINT (SECOND AMENDMENT) ACT.** *Anna 1 or 1½d.*

AGRICULTURE AND FORESTRY.

INDIAN JOURNAL OF AGRICULTURAL SCIENCE—

ICAR.5.VIII.3. Vol. VIII, Part III, June 1938. *Rs. 3 or 5s. 3d.*

Contents—

ORIGINAL ARTICLES—

Studies in Indian Fibre Plants, No. 5. Further Studies on the Inheritance of certain Characters in *Hibiscus sabdariffa* L. (Deshpande).

Studies in Vernalisation of Mustard (A Preliminary Report) (with Plate X). (Sen and Chakravarti).

Preliminary Studies in the Respiration of Sugarcane in Situ (with five text-figures). (Khanna and Raheja).

Soil Uniformity Trials in the Punjab, I (with seven text-figures). (Lander, Ramji Narain and Azmat Singh).

Comparison of Methods for the Estimation of the Furfuraldehyde Yield of Soils and Composts (Acharya).

Pruning of Fruit Trees: The Effect of Dormant pruning on Cropping and Vegetative Vigour of *Phalsa* (*Grewia Asiatica*) (with Plates XI—XIII and one Text-figure). (Lal Singh and Sham Singh).

Studies on Groundnut Nodule Organism, I. Isolation of Strains and Study of Cultures (with one text-figure). (Rajagopalan).

Studies of Groundnut Nodule Organism, II. Life-cycle of the Organism (with Plates XIV and XV). (Rajagopalan).

Studies on Groundnut Nodule Organism, III. Physiology of the Organism: Fermentation Characteristics (with three Text figures). (Rajagopalan).

Studies on Groundnut Nodule Organism, IV. Physiology of the Organism—Intermediary Metabolism: Carbohydrates and Nitrogen (with six text-figures). (Rajagopalan).

INDIAN JOURNAL OF VETERINARY SCIENCE AND ANIMAL HUSBANDRY—

ICAR.6.VIII.2. Vol. VIII, Part II, June 1938. *Rs. 2 or 3s. 6d.*

Contents—

ORIGINAL ARTICLES—

The Inter-relativity of the Diseases of Animals and Man. (Hobday).

Babesia bovis Starcovici, 1893, as the Cause of Red-water in an Indian Buffalo (with plate III). (Idnani).

Duration of Immunity Following Goat-Virus Vaccination in Cattle (with six text-figures). (Naik).

AGRICULTURE AND FORESTRY—*contd.*

INDIAN JOURNAL OF VETERINARY SCIENCE AND ANIMAL HUSBANDRY—*contd.*

ICAR. 6. VIII. 2. Vol. VIII, Part II, June 1938—*contd.*

Contents—*contd.*

ORIGINAL ARTICLES—*contd.*

Helminthology in Relation to Veterinary Science (Srivastava).

Estimation of Total Sulphate in Blood Serum. (Das Gupta).

Dipetalonema Dracunculoides (Cobbold, 1870) (with three text-figures). (Anant Narayan Rao).

Poteriostomum ratzi (Kotlan, 1919) (with two text-figures). (Anant Narayan Rao).

A Check-and Host-list of Ixodoidea (Ticks) Occurring in India. (Sen).

SELECTED ARTICLE—

Schistosomes and Schistosomiasis in India. (Bhalerao).

LINSEED IN INDIA—

AMA.8. Report on the Marketing of—1938. *Re. 1-4 or 2s.*

SUGARCANE RESEARCH IN INDIA—

ICAR.20. A Summary of some practical results of—1938. *As. 4 or 5d.*

ARTS AND SCIENCES.

Archaeology.

EPIGRAPHIA INDICA—

GEI.1.XXIII.6. Vol. XXIII, Part VI, April 1936. (Chakravarti). *Rs. 2-8 or 4s. 6d.*

Contents—

No. 31. A Note on the Tiriyay Rock Inscription (Chhabra).

No. 32. Four Copper-plates from Soro. (Majumdar.)

No. 33. Two Copper-plate Inscriptions from Berar. (Mirashi).

No. 34. Sone-East-Bank Copper-plate of Indradeva and Udayaraja. (Deb).

No. 35. Sringi-Rishi Inscription of Prince Mokala. (Vyas).

No. 36. A Pali Counterpart of the Nalanda Text of Pratityasamutpadavibhanga (Law).

No. 37. A Note on the Barah Copper-plate of Bhojadeva. (Krishnamacharlu).

No. 38. A Note on the Rajapura Copper-plates of Madhurantakadeva : Samvat 987. (Daver).

SOUTH INDIAN EPIGRAPHY—

DGA.27.35. Annual Report for the year ending 31st March 1935. *Rs. 6-6 or 10s.*

Education.

FEDERAL PUBLIC SERVICES COMMISSION—

Pamphlet of the Combined Competitive Examination for (1) The Indian Audit and Accounts Service, the Military Accounts Department and the Indian Railway Accounts Service ; (2) The Imperial Customs Service ; (3) The Postal Superintendents (Class II) Service and (4) The Transportation (Traffic) and Commercial Departments of the Superior Revenue Establishment of State Railways, containing Rules, Syllabus, Medical Regulations, Question Papers, Table of Results and Review of the Examination—

PSC.3.37. November 1937. *Re. 1 or 1s. 9d.*

Pamphlet of the Competitive Examination for Admission to the Indian Military Academy, Dehra Dun and the Royal Indian Navy, containing Rules, Syllabus, Question Papers, Tables of Results and Review of the Examination—

PSC.2.II.37. October 1937. *As. 8 or 10d.*

ARTS AND SCIENCES—*contd.*

Meteorology.

INDIA WEATHER REVIEW—

DGO.9.36. Annual Summary for 1936, Introduction. *As. 12 or 1s. 3d.*

KODAIKANAL OBSERVATORY—

DGO.12.37. Report, 1937. *As. 3 or 4d.*

UPPER AIR DATA—

DGO.1.B.36. Vol. IX, Part B, 1936—Sounding Balloon and Aero plane Data. *Rs. 3-2 or 5s. 6d.*

Zoology.

RECORDS OF THE INDIAN MUSEUM—

ZSI.4.XL.2. Vol. XL, Part II, June 1938. *Rs. 3-12 or 6s. 6d.*

Contents—

Neue und wenig bekannte Phasmoiden aus dem Indian Museum, Calcutta. (Gunther).

Description of a New Myrmecophilous *Lepisma* (Thysanura) from India. (Silvestri).

A Preliminary Note on the Spawning Grounds and Bionomics of the so-called Indian Shad, *Hils ilisha* (Hamilton) in the River Ganges. (Hora).

On the Anatomy and Systematic Status of *Cleistogamia holothuriana* Faust, 1924. (Baer).

Notes on Fishes in the Indian Museum, XXXVI. On a Collection of Fish from the Rajmahal Hills, Santal Parganas (Bihar). (Hora).

Changes in the Internal Structure of the Air-bladder of *Eutropiichthys vacha* (Ham.), *Clupisoma garua* (Ham.) and *Ailia Coila* (Ham.) during growth. (Krishnan Nair).

Notes on Aleurodidae (Rhynchota) from India. (Singh).

Observations on the Growth and Habits of the Gastropod Mollusc, *Pyrazus palustris* (Linne.) in the Andamans. (Rao).

On a Collection of Aquatic Rhynchota from the Rajmahal Hills, Santal Parganas, Bihar. (Hafiz and Mathai).

CIVICS AND ADMINISTRATION.

Administration and Departmental Reports.

BALUCHISTAN AGENCY—

AGGB.1.37. Administration Report, 1936-37. *Rs. 3 or 5s. 3d.*

INDIAN EMIGRATION ACT, 1922—

EHL.6.37. Annual Report on the working of the — in Sind for the year 1937. *As. 12 or 1s. 3d.*

PATENT OFFICE—

P & D.2.37. Annual Report, 1937. *Re. 1-14 or 3s. 3d.*

Civil Lists.

EASTERN STATES AGENCY—

AGGES.1.7. List No. 7, Corrected upto 31st December 1937. *Rs. 2 or 3s. 6d.*

GOVERNMENT OF INDIA DIRECTORY—

HD.6.I.38. May 1938. *As. 12 or 1s. 3d.*

INDIAN POLITICAL SERVICE—

CR.4.1. Half-yearly List No. 1. Corrected upto the 2nd July 1938. *Rs. 2-2 or 4s.*

Politics.

DEBATES—

COUNCIL OF STATE—

CS.2.II.37. Vol. II, 1937 (13th September to 25th November 1937). (Bound Volume). *Rs. 9-8 or 16s.*

DELEGATION TO THE LEAGUE OF NATIONS—

LD.21.18. Report of the Delegates of India to the Eighteenth (Ordinary) Session of the Assembly of the League of Nations, 1937. *Re. 1 or 1s. 9d.*

ENGINEERING.

General.

IRRIGATION IN INDIA—

PWD.2.36. Triennial Review, 1933-36. *Re. 1-14 or 3s. 3d.*

Reports.

BIHTA—

Proceedings of the Judicial Inquiry to ascertain the cause of the Railway Accident which occurred near—On the East Indian Railway on 17th July 1937—

PRB.36.I.(N). Vol. I (25th October to 25th November 1937). *Rs. 7-8-0.*

PRB.36.II.(N). Vol. II. (26th November 1937 to 21st January 1938). *Rs. 9-0-0.*

PRB.36.III.(N). Vol. III (24th January to 16th February 1938). *Rs. 5-0-0.*

PRB.36.IV.(N). Vol. IV.—Exhibits. *Rs. 5-0-0.*

FINANCE.

General.

EXCISE CONFERENCE—

CBR.46. Summary of Proceedings, 8th to 10th November 1937. *As. 12 or 1s. 3d.*

Manuals.

STANDING ORDERS—

AG.20. Auditor General's Manual of—First Edition, 1938. *Re. 1-2 or 2s.*

Rules and Regulations.

CIVIL SERVICE REGULATIONS—

AGM.2. **MADRAS SUPPLEMENT** (Pension Portions only). Fifth Edition (Reprint) 1938. *As. 12 or 1s. 3d.*

MILITARY.

MGS-N 21 (N). **ARTILLERY AND INFANTRY. NOTES ON THE RE-ORGANISATIONS IN—AS PROPOSED BY THE WAR OFFICE**, 1938. *(not for sale).*

EQUIPMENT REGULATIONS—

ARMY (HOME)—

MO-R 85 (N). **GUARDS DEPOT**, 1938, Part 4, Section 1-A. *(not for sale).*

MO-R 80 (N). **ROYAL TANK CORPS (REGULAR ARMY), 1, GENERAL, 2, DEPOT**, 1938, Part 2, Section 14-A. *(not for sale).*

MO-R 81 (N). **ROYAL TANK CORPS (REGULAR ARMY), 1, TANK BRIGADE HEADQUARTERS, 2, BATTALIONS**, 1938, Part 2, Section 14-B. *(not for sale).*

ARMY (INDIA)—

ROYAL ARTILLERY—

MCR-R 307 (N). Mountain Artillery Training Centre (with Q. F. 3·7 inch Howitzer Equipment), 1938, Part 2, Section XI—F. *Re. 1-6 or 2s. 3d.*

SIGNAL(S)—

MCR-R 306 (N). Army Signal School, 1938, Part 2, Section VIII-A. *Re. 1-2 or 2s.*

TERRITORIAL ARMY (WAR OFFICE)—

ARTILLERY DETAILS—

MO-R 82 (N). **ANTI-AIRCRAFT ARTILLERY WITH Q. F. 3-IN. 20-CWT., GUNS**, 1938, Part 3, Section 15-A. *(not for sale).*

MO-R 84 (N). **FIELD ARTILLERY WITH Q. F. 18-PR. GUNS, Q. F. 4·5-IN. HOWITZERS, 1. BRIGADE HEADQUARTERS, 2 BATTARIES**, 1938, Part 3, Section 11-B. *(not for sale).*

MO-R 83 (N). **FIELD SQUADRON, R. E.**, 1938, Part 3, Section 10-B. *(not for sale).*

MILITARY—*contd.*

	EXAMINATION, PROMOTION OF ARMY OFFICERS—QUESTION PAPERS (WAR OFFICE)—
MGS-E 54 (N).	March 1938. (*not for sale*).
	GOVERNMENT TELEGRAPH CODE—
MCR-G 6(N).	**APPENDIX** (1938), Parts I and II. (*not for sale*).
	IDENTIFICATION LISTS—
	GUNS—
MO-J 35 (N).	Q. F. 4.5 inch Marks I and II Howitzers on Marks I and IR Field Carriages also Nos. 11, 12 and 13, Artillery Trailers (War Office), 1937. (*not for sale*).
	INDIAN ARMY LIST—
MCR-AL 7/38 (N).	July 1938. *Rs. 4-14 or 8s.*
	INSTRUCTION BOOKS AND PAMPHLETS—
	ARTILLERY INSTRUMENTS—DIRECTIONS FOR THE USE OF—
MO-D 9 (N).	Pamphlet No. 3. The Slide Rule, 1937 (War Office). (*not for sale*).
	INDIAN MILITARY PENSIONERS, PAMPHLET FOR THE GUIDANCE OF—
MAJ-P 22 (N).	Gurmukhi Edition, 1938. (*not for sale*).
MCR-N 10 (N).	**TRANSFER TO THE ARMY RESERVE AND DISCHARGE. NOTES AND INSTRUCTIONS CONCERNING—**, 1938. (*not for sale*).
	LIST OF CHANGES IN WAR MATERIAL AND OF PATTERNS OF MILITARY STORES FOR H. M.'S ARMY SERVING IN INDIA—
MO-LC 7/38 (N).	July 1938. (*not for sale*).
	PRICE LIST OF ROYAL AIR FORCE EQUIPMENT (Indian)—
MAF-I 28 (N).	**A. G. S. AND GENERAL HARDWARE,** 1938, Part 12, Sections 28 and 29. (*not for sale*).
	REGULATIONS—
MGS-R 125 (N).	**PRINCE OF WALES' ROYAL INDIAN MILITARY COLLEGE, DEHRA DUN,** 1934. (Reprint with corrections upto March 1938). *As. 2 or 3d.*
	RECRUITING—
MAJ-R 45 (N).	War, 1938, India, Part II. (*not for sale*).
	REVENUE, DEBT AND REMITTANCE HEADS WITH CODE NUMBERS—
MMA-P 14 (N).	**PAMPHLET OF**—Revised edition, Corrected up to 31st December 1937. (*not for sale*).
	RULES—
MQ-R 25 (N).	**INSTITUTE RULES, ARMY AND ROYAL AIR FORCE HEADQUARTERS, INDIA,** 1938. (Published under the authority of Regulations for the Army in India, Instruction 629). *As. 6 or 8d.*
MGS-R 130 (N).	**MILITARY OFFICERS' DISTRICT TOURS,** 1938. (*not for sale*).
	TRAINING MANUALS—
	TANK TRAINING, VOL. II, PART I—PAMPHLETS—
MGS-T 34 (N).	No. 1, 1938—Tank Gunnery (War Office). (*not for sale*).
MGS-T 35 (N).	No. 2, 1938—Eye Training (War Office). (*not for sale*).
MGS-T 36 (N)	No. 3, 1938—Crew Control and Fire Orders, (War Office). (*not for sale*).
MGS-T 37 (N)	No. 4, 1938—Smoke (War Office). (*not for sale*).
	TRAINING MEMORANDUM, ARMY (Home)—
MGS-A 82 (N).	No. 20, April 1938. (*not for sale*).
	VOCABULARY OF ORDNANCE STORES—
	SECTION W-2—ELECTRIC CABLES AND WIRES, PRIMARY CELLS AND MISCELLANEOUS ELECTRIC STORES—
MCR-V 151 (N).	India, 1938. (*not for sale*).

TRADE AND COMMERCE.

General.

COMMODITIES THAT ENTER INTO THE FOREIGN SEA-BORNE TRADE OF BRITISH INDIA—

DGCIS.52. Alphabetical Index of —, 1938. *Rs. 2-12 or 5s.*

CROP FORECASTS, 1937-38—

WINTER OILSEEDS (RAPE, MUSTARD AND LINSEED)—

DGCIS.29.8.3.38. Final General Memorandum. *As. 4 or 5d.*

MERCHANDISE MARKS MANUAL—

CD.26.5. Fourth and Revised edition (Second Reprint), 1938. *Re. 1 or 1s. 9d.*

Industrial.

STANDARD SPECIFICATION—

INDIAN STORES DEPARTMENT— *As. 8 or 10d.*

P. I. 116A. (Revised April 1932). Supply of Plant and Machinery.

Marine.

LIST OF STEAMERS, MOTOR VESSELS, STEAM LAUNCHES, ETC., REGISTERED IN INDIA UNDER THE MERCHANT SHIPPING ACT, 1894—

CD.18.37. 1937 (together with List of Officers in the Department of Commerce and the Merchantile Marine Department). *As. 12 or 1s. 3d.*

Periodicals.

BUSINESS CONDITIONS IN INDIA—

MONTHLY SURVEY— *Re. 1-10 or 2s. 9d. each.*

DGCIS.40.4.38. April 1938.

DGCIS.40.5.38. May 1938.

COTTON SPINNING AND WEAVING IN INDIAN MILLS—

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DGCIS.14.4.38. April 1938. *Re. 1-2 or 2s.*

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TRADE AND NAVIGATION—

BRITISH INDIA. MONTHLY ACCOUNTS RELATING TO—

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DGCIS.11.4.38. April 1938.

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TRADE AT STATIONS ADJACENT TO LAND FRONTIER ROUTES—

DGCIS.18.3.38. March 1938. *As. 14 or 1s. 6d.*

TRADE OF INDIA—

INLAND (RAIL AND RIVER-BORNE). ACCOUNTS RELATING TO— *Rs. 2-2 or 4s. each.*

DGCIS.19.2.38. February 1938.

DGCIS.19.3.38. March 1938.

TRADE AND COMMERCE—*contd.*

Periodicals—*contd.*

TRADE STATISTICS—

MARITIME STATES IN KATHIAWAR AND THE STATE OF TRAVANCORE— *Rs. 3-6 or 5s. 9d. each*

DGCIS.20.3.38.	March 1938.	
DGCIS.20.4.38.	April 1938.	
	RAW COTTON—	
DGCIS.21.3.38.	March 1938.	*Re. 1-12 or 3s.*
	WHOLESALE PRICES OF CERTAIN STAPLE ARTICLES OF TRADE AT SELECTED STATIONS IN INDIA—	
DGCIS.22.2.38.	No. 2 of 1938.	*As. 5 or 6d.*
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	MARITIME TRADE—	
	BENGAL—	
CBR.33.38.	Report, 1937-38.	*Rs. 2-8 or 4s. 6d.*

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The Gazette of India

NEW DELHI, SATURDAY, AUGUST 20, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 20th August 1938.

SPECIAL NOTICE.

The following publication is now ready for sale with the Manager of Publications, Civil Lines, Delhi, and also at the Government of India Book Depot, 8, Hastings Street, Calcutta (for local sale only), at Rs. 10-12-0 or 17*s*. per copy :—

Patent Office Journal, 1937.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

August 6, 1938.

25534. The General Electric Co. Ld. Improvements in auxiliary electrodes in electric discharge devices. (August 26, 1937).

August 8.

25535. R. Powley & Sons Ld., and O. Powley. Improvements in or relating to machines for washing, draining or drying bottles, jars or other containers. (February 4, 1938).

25536. Lampen-Und Metallwarenfabriken R. Ditmar Gebruder Brunner A. G. Vapour motor.

25537. Societa Anonima Stabilimenti Di Dalmine. Improvements in the manufacture of tubes or pipes from mixtures of fibre and cement.

25538. Societe De Prospection Electrique. Projectile for perforating the casing covering the inside walls of bore holes.

August 9.

25539. I. G. Farbenindustrie Aktiengesellschaft. Process for the manufacture of cyclic sulphonic acid amide compounds. (August 10, 1937).

25540. M. E. Miah. Improvements in and relating to traps, particularly although not essentially to rat-traps and the like.

August 10.

25541. A. K. Shaha. Domestic transportable furnace fired by solid fuel.

25542. Union Carbide and Carbon Research Laboratories, Inc. Improvements in or relating to casting of metals. (July 8, 1938).

25543. The General Electric Co. Ld. Improvements in glasses transmitting infra-red radiation.

25544. Allgemeine Holzimpragnierung G. m. b. H. Wood preservative.

August 11.

25545. T. Sabalitschka and E. Bohm. Process for inhibiting the oxidation of oils and other substances liable to oxidation by the air. (January 4, 1938).

25546. Foreign Rights (Precision Meters) Ld. Improvements in and relating to liquid meters. (August 12, 1937).

August 12.

25547. Elgeners. Appliances for playing an interesting game.

25548. A. Hakim. Improvements in or relating to hand pumps. [Divisional date—January 6, 1938].

Alteration of Date.

(I)

24449. The claim to priority date 22nd September 1936 has been disallowed and the application dated as of the 21st September 1937, the date of filing in India.

(II)

24772. Date allowed under Section 13—12th April 1934.

(III)

24800. Dated as of 30th October 1937 under reciprocal arrangement.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

22056. The Indian Hume Pipe Co. Ld. Improved manufacture of metal fabrics. *The welds of longitudinal and transverse wires being performed either singly in succession or in small groups.*

24002. R. H. Turnbull. Improved method of and apparatus for introducing relatively small quantities of liquid reagents into streams of feed water for boilers or the like. *From bulk storage container gravity feed delivery pipe equipped with a cock interconnected with a valve controlling the feed water supply.*

24249. The General Electric Co. Ld. Improvements in or relating to electric discharge lamps comprising luminescent materials. (July 23, 1936). *Luminescent material contains a substantial proportion of activated zinc-beryllium silicate.*

24319. Auto Union A-G. Improvements in and relating to carriage bodies particularly for motor vehicles made of pressed-out parts of artificial resin. *Individual parts of pressed out layered artificial resin are assembled with joints made by abutting internal flanges following the course of external ribs.*

24334. Hoover, Limited. Improvements in or relating to absorption refrigerating apparatus. *Liquid gas-lift pump comprising two gas lift conduits inter-connected below their gas inlets.*

24335. Hoover, Limited. Improvements in or relating to absorption refrigerating apparatus. *Means for circulating inert gas and tapping off a portion of it for using it to raise liquid.*

24350. Mrs. M. Chawla. A mosquito net specially designed for a baby cot or a perambulator. *Rectangular net incorporating a frame of ten pieces of wood inserted in pockets.*

24383. Ruhrchemie Aktiengesellschaft. Process for the catalytic conversion of mixtures of carbon monoxide and hydrogen. (July 13, 1937). *Catalytic conversion of carbon monoxide and hydrogen mixture at temperature below 175°C using cobalt catalysts.*

24422. Mitsui Bussan Kaisha, Ld. Improvements in or relating to hurricane lanterns. *Covering plate on the chimney slidably engaging it and adapted to be used for heating purposes.*

24449. The General Electric Company Limited. Improvements in or relating to High-Pressure Metal-Vapour Electric discharge devices. [Addition to No. 23369]. *Resisting vitreous sheath between discharge path and a sealed envelope having a non-resistant part.*

24482. Ateliers Neyret-Beylier & Piccard-Pictet. Improvements in or relating to automatically operating sluices, particularly for irrigation installations. *Platform pivoted at one end and having a cylindrical obturator at the other.*

24499. B. Nier. Process and apparatus for the closing of the fuel-container of hurricane lanterns. *Packing member engaged to seatings and having an extension which is clamped to end of wick.*

24619. Dr. H. Jezler. Method and device for scavenging, charging and supercharging internal combustion engines. *Exhaust utilized to create pressure air for charging it.*

24644. F. J. Kuretschka. Improvements in and relating to automatic exhaust steam control valves. (November 18, 1936). *Plug valve to regulate flow of exhaust steam according to cut off.*

24668. Institut de Serotherapie hemopoietique, S. A. Improvements in the recovery of a gonadotropic hormones. *Precipitating albuminous substances from the serum of pregnant mares by the addition of one volume of alcohol at pH-3, removing the precipitate and precipitating the hormone by further adding alcohol.*

24754. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler. Improvements in and relating to processes for extracting dilute organic acids. (November 10, 1937). *Relative linear velocity of the acid to that of the extraction agent is above 0·2 cm/sec.*

24772. The Indian Hume Pipe Co. Ld. Improved apparatus for use in the manufacture of metal or wire meshes or fabrics and the like. [Date allowed under section 13—April 12, 1934]. *Automatically intermittently feeding longitudinals and cross wires and electrically fusing those two sets of wires by vertically reciprocable electrodes.*

24790. Metallgesellschaft Aktiengesellschaft. Process for the catalytic synthesis of hydrocarbons. *Catalytic conversion of oxides of carbon mixed with hydrogen at pressures of over 2 atmos and at temperatures below those required for the exclusive formation of methane.*

24800. P. F. Reemtsma. Improved process for opening up materials containing cellulose. (October 30, 1937). *Moistening with concentrated aqueous solution of hydrogen halide before treating the material with a solution of the acid in an organic liquid.*

24815. A. Hakim. Improvements in or relating to hand pumps. *Connecting rod joining handle to plunger is mounted in ball bearings.*

24838. Hannoversche Maschinenbau-Actien-Gesellschaft vormals George Egestorff (Hanomag). Improvements in chamber with air admission for storing dust-fuel for dust motors. *Air conduits, dust filters and means for injecting and withdrawing air.*

24846. W. Banham. Improvements in power transmission, conveyor and similar belting, friction surfaces such as brake linings and the like. (January 26, 1937). *Pile surface consisting of strips of fibrous material produced from yarn by weaving and secured to belt by stitching, stapling or the like.*

24848. H. S. Dixon. Improvements in and relating to tents, boats, masts and other collapsable structures comprising inflatable pneumatic tubes or framework. *Within a fabric outer cover composed of longitudinal strips having the weft or the warp running longitudinally.*

24853. W. Voith, H. Voith and H. Voith (trading as the firm of J. M. Voith). Improvements in or relating to blade-wheel propellers. *Intersections of the radius vectors with the wheel diameter perpendicular to the length of the ship.*

24856. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to thermionic valves. (February 11, 1937). [Addition to No. 23502]. *Electron beam valve having apertured electrodes in which aperture in the anode is smaller than in other electrodes.*

24868. Hannoversche Maschinenbau-Actien-Gesellschaft vormals George Egestorff (Hanomag). Method of and apparatus for operating dust fuelled engines. *Saturated mixture of air and dust fuel supplied to engine with additional air.*

24890. A. G. Freeborn. A method of treating water so as to prevent the effects of hardness. *Subjecting to direct current discharge with a potential difference of 0-12 millivolts between the electrodes.*

24909. Binny & Company (Madras) Limited. Improvements in and relating to water proof, weather proof and/or rot proof materials and to methods of and means for manufacturing the same. *A layer of proofing compound is trapped between the two adjacent textile fabric layers and cements the same together.*

24915. Pittsburgh Plate Glass Co. Improvements in process and apparatus for bending and tempering glass sheets. *Suspending glass sheet vertically upon a metal plate in parallel and applying pressure to bend them.*

24933. A. Boenecke. Improvements relating to the manufacture of the lids or covers of boxes, bottles or other containers and to moulds for use therein. *Lids with at least one lug formed in a two-part mould.*

24942. C. S. Sarkar. Improvements in or relating to means for converting reciprocating into rotary motion. *Multi-part piston or cross-head, operating elements between said piston or cross-head and connecting-rod, and spring or compressed fluid.*

24956. Lampen-Und Metallwarenfabriken R. Ditmar Gebruder Brunner A. G. Incandescent lamp. *Fuel tank is provided with a scoop.*

24957. Lampen-Und Metallwarenfabriken R. Ditmar Gebruder Brunner A. G. Incandescent lamp. *Evaporator has plurality of projections at its outside.*

24970. J. Yuille. Improvements in or relating to the filtration of hot gases. *Use of a screen of metal wool to trap the metallic particles in the metallurgical furnaces gases.*

24975. N. V. De Bataafsche Petroleum Maatschappij. An electric filtration system. *Suspended particles prevented from moving with the liquid by applying an electric field.*

24993. W. P. Harris and Clayton Dewandre Co. Ld. Improvements in or relating to machines for printing and issuing tickets. *Printing two variable denominations on strip of paper with severing device for paper being rendered inoperative during printing of one.*

25064. Naamlooze Vennootschap Organon. Saturated and unsaturated derivatives of pregnane dione and the manufacture thereof. *Oxidising the derivative substituted at the C21 atom with acyloxy or alkoxy or halogen group.*

25094. Aktiebolaget Radius. Improvements in gages for indicating the level of liquids. *Tongue carries index means and secures position of actuating member.*

25097. Feroz-ud-Din. A grit spreading machine. [Addition to No. 22961.] *Wheel-axle drives lay shaft having gear wheels which engage gear wheels on roller shaft.*

25099. British Glycerine Manufacturers Ld. Improvements relating to the manufacture of artificial plastic masses and textile fibres. (February 9, 1938). *Obtaining from mixture of vinyl solutions and vegetable or animal caseins.*

25100. Brooke Bond and Co. Ld., and F. Walker. Tea withering apparatus. (September 7, 1937). [Addition to No. 22909 *Loft subdivided into transverse compartments with uni-directional fan the roof and means for recirculating drying air.*

25138. F. Ringer. Improvements in automatic cigar and cigarette lighters. *Releasing the solid fuel in its carrier for resiliently pressing its surface against a roughing device.*

25149. W. S. Freeman. Improvements in or relating to stoppers for carboys, bottles, cans and like containers. *Gripping portion with a pouring aperture attached with a resilient skirt to seal completely.*

25161. Insulatus A. G. Process and apparatus for enamelling or varnishing wires. *Wire is drawn through absorbent material which provides varnish, movement of wire and varnish being at right angles.*

25162. Insulatus A. G. Process and device for wiping excessive coating material from wires. *Different surface sections of felt wiping member are operative in continuous succession.*

25164. Callender's Cable and Construction Co. Ld. A process for treating cellulosic materials such as paper and fabrics to make them resistent to water. (May 24, 1937). *Coating with rosin and drying it under heat and vacuum.*

25171. B. Bartfay. Process for obtaining cellulose from vegetable raw materials. (August 24, 1937.) *Treating with nitric acid solution of 30-53 per cent. concentration at temperature 10-20°C.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23842. Honnef.
24051. The Indian Hume Pipe Co. Ld.
24157. Pescara.
24167. Digby and Digby.
24235. Avery.
24428. Dr. Van Aalst.
24511. Guha.
24563. Olympia Oil and Cake Co., Ld. and Weston.
24566. Houdry Process Corporation.
24721. F. S. Kerr & Co., and Balvalli.
24787. Metal Carbides Corporation.

24794. Societe De Realisation Des Brevets Et Procedes Xyloid.
24857. Kingsbury Engineering Co., Ld.
24884. Higgins.
25083. Peters and Peters.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23829. Davidson and Co. Ld.
23836. The General Electric Co. Ld.
23837. Cookson.
23839. Singer.
23902. Shalimar Paint, Colour & Varnish Co., Ld.
23903. Shalimar Paint, Colour & Varnish Co., Ld.
24202. Filter Tips, Ld.
24338. Gerrard Industries, Limited.
24411. DePenning.
24424. Bhattacharyya.
24451. Ebell, and Couzin & Attwood Proprietary Limited.
24476. The American Rolling Mill Company.
24649. Civil Protection Ld.
24654. Kershaw and Westinghouse Brake & Signal Co. Ld.
24725. The Franco-British Electrical Co. Ld., and Brackensey.
24736. Marconi's Wireless Telegraph Co., Ld.
24963. I. G. Farbenindustrie Aktiengesellschaft.

Patents Sealed.

23659. Hangal.
23780. Andrews.
23796. International General Electric Co. of New York Ld.
23822. International General Electric Co. of New York Ld.
23921. Richardson.
23960. Callender's Cable & Construction Co. Ld.
24247. Dhanji.
24270. Garewal.
24277. Mabie, Todd & Co., Ld.
24359. The Kassipur Co., Ld.
24474. Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken.
24526. British Acoustic Films Ld.
24610. Dunlop Rubber Co. (India) Ld.
24611. Dunlop Rubber Co. (India) Ld.
24703. Siemen and Hinsch.
24712. The Rawlplug Co. Ld.
24716. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny & Cirey.
24730. Pratt.
24737. Marconi's Wireless Telegraph Co. Ld.

Amendment Proceedings.

I

20246. In pursuance of leave granted on the 9th August 1938, the above-numbered specification has been amended in the manner set forth in the *Gazette of India*, Part II, dated the 11th September 1937.

II

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Ananta Kumar Datta, of 5, Hastings Street, Calcutta, British India, seeks leave to amend the specification in respect of patent application No. 25205. Any person desirous of opposing the application for amendment should, at any time within three months from the date of this Gazette, give notice of his intention to do so in the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta. The proposed amendments are as follows:—

In the printed specification:—

Page 1, line 21, *after* "Pozolana Cement." *insert* "The shape and size of the bricks may be made as convenient to suit the requirements. They can be made as lumps also."

Page 2, line 21, *after* "if necessary." *insert* "The addition of any other extraneous material along with jhama, cement clinker and gypsum as described, will not vitiate the spirit of the invention."

Page 2, line 21, *after* claim 5, *insert* the following as claim 6:—

"6. An improved manner of manufacture of cementing materials, in which overburnt bricks, called 'jhama' or picked 'jhama', are ground finely separately and then mixed with ready made cement or finely ground cement clinker, with or without any finely ground gypsum, as substantially described."

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest:—

Nos. 15871 and 22422. Societe De Prospection Electrique, "Procedes Schlumberger".

Renewal Fees Paid.

PATENTS.

9649. A. M. Byers Co. (To 4th September 1939).
11561. Gray. (To 10th August 1939).
12501. Kelway-Bamber. (To 19th August 1939).
13707. International Cement Corporation (altered to Lone Star Cement Corporation). (To 17th October 1939).
13787. Hayes Track Appliance Co. (To 15th August 1939).
15126. Daimler-Benz Aktiengesellschaft. (To 17th December 1939).
15276. Daimler-Benz Aktiengesellschaft. (To 21st January 1940).
16412. Harbord and anr. (To 14th November 1939).
18332. Vitapack Corporation. (To 7th September 1939).
18506. The British Tabulating Machine Co. Ld. (To 17th November 1939).

19257. Universal Oil Products Co. (To 26th September 1939).
19300. Houdry Process Corporation. (To 17th October 1939).
19403. The General Electric Co. Ld. (To 25th October 1939).
19404. The General Electric Co. Ld. (To 25th October 1939).
20135. Shishkoff. (To 9th August 1939).
20165. Snow and anr. (To 14th August 1939).
20174. Advanthaya and anr. (To 19th August 1939).
20232. Universal Oil Products Co. (To 11th September 1939).
20244. Fuchs. (To 18th September 1939).
20272. Pettican and ors. (To 12th October 1939).
20410. The General Electric Co. Ld. (To 26th October 1939).
21091. Major Thompson. (To 14th August 1939).
21095. Thakordas. (To 20th August 1939).
21145. Technical Research Works Ld. (To 3rd September 1939).
21219. Altenkirch. (To 1st October 1939).
21247. Gabor and ors. (To 9th October 1939).
21251. Electric and Musical Industries Ld. (To 26th October 1939).
21257. Society of Chemical Industry in Basle. (To 11th October 1939).
21394. C. C. Wakefield & Co. Ld. (To 24th November 1939).
21635. Thaker. (To 7th February 1942).
21786. (Mrs.) Sandoval Campdera and anr. (To 1st August 1939).
22018. Howard & Bullough Ld., and anr. (To 22nd September 1939).
22229. The General Electric Co. Ld. (To 11th October 1939).
22230. The General Electric Co. Ld. (To 12th October 1939).
22331. Mead, McLean & Co. Ld. (To 20th December 1939).
22368. British Insulated Cables Ld., and ors. (To 24th November 1939).

Cessation of Patents.

13211. Marconi's Wireless Telegraph Co. Ld.

13230. The Carlton Pipe Joint Co. Ld.

13237. Kaisha.

15579. Carson.

15704. Guzder.

19491. Claude-Lumiere Societe Anonyme pour les Application des Gaz Rares a la Lumiere Procedes Georges Claude.

19492. Claude-Lumiere Societe Anonyme pour les Application des Gaz Rares a la Lumiere Procedes Georges Claude.

19879. Marconi's Wireless Telegraph Co. Ld.

19887. Vereinigte Eisenbahn-Signalwerke Gesellschaft mit beschrankter Haftung.

20838. Varadan.

20839. (Mrs.) Bhat.
20840. Mikut.
20844. Biesman & Carrick Co.
20846. Rausch.
20847. Smith.
20851. Fairbairn Lawson Combe Barbour Ld., and anr.
20856. Sturrock.
20857. Singha.
21726. Gordon.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets:—

Class 1. Nos. 63291 and 63292. Ehrich & Graetz Aktiengesellschaft, Berlin SO 36, 87/96 Elsenstrasse Germany. April 28, 1938.

Class 12. Nos. 63386 and 63387. B. T. Shuttlecock House, of Sialkot, Punjab, British India. June 11, 1938.

Class 13. Nos. 63566 and 63567. The Standard Mills Co., Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. July 18, 1938.

Class 13. Nos. 63581 to 63583. The Indian Bleaching, Dyeing & Printing Works Ld., of 29, Rustom Building, Churchgate Street, Fort Bombay, British India. July 22, 1938.

Class 13. Nos. 63587 to 63604. The Calico Printers' Association Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 25, 1938.

Class 13. No. 63606. The New Shorrock Spinning and Manufacturing Co. Ld., of Nadiad, (District-Kaira) Bombay Presidency, British India. July 25, 1938.

Class 13. No. 63611. Lilaram Kewalram, of Kharadur, Karachi, (British India). July 28, 1938.

Class 14. No. 63605. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. July 25, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry:—

Class 3. No. 57058. Ganpatrao Kaluram Naik, of 1200, Shukrawar Peth, Poona 2, Bombay, British India. August 11, 1933.

NOTICES

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the

Gazette of India, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). .	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON. . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICE.

Rangoon, the 8th August 1938.

Portions of the following notes of the Rangoon Office of Issue are stated to have been destroyed and applications for payment of their value have been received from the persons whose names are shown against the numbers. Any other person who considers himself as having a right to them is warned to communicate at once with the undersigned.

Notes Nos.	Value.	Names and addresses of the applicants.
	Rs.	
T/16-281194	100	Maung Ba Nyun, Clerk, No. 44, 52nd Street, Rangoon.
T/32-641107	100	Mg Ba Thet, Forest Assistant, Nahsaing Village, Namtu (N. S. S.).
T/32-747159	100	

S. NATARAJAN,

Currency Officer.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT, RANGOON.

IMPERIAL BANK OF INDIA.

NOTICE.

Bombay, the 11th August 1938.

The following appointment on the Bank's staff is hereby notified:—

Mr. A. W. Cameron to officiate as Agent, Rangoon Branch, as from the close of business on the 6th August 1938, *vice* Mr. C. N. Nixon.

B. A. C. NEVILLE,

Dy. Managing Director.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

New Delhi, the 16th August 1938.

No. E. B.-11.—Mr. B. M. Gupta, probationary Aerodrome Officer in the Civil Aviation Directorate, is confirmed in his appointment, with effect from the 1st July 1938.

F. TYMMS,

Director of Civil Aviation in India.

RESERVE BANK OF INDIA—PUBLIC DEBT OFFICE.

Statement of Government Promissory Notes enfaced for payment of Interest in London, under deduction of [illegible] re-transferred to India, and outstanding in the Books of the Indian Government Rupee Loans Office, Reserve [illegible] of India on the 31st July 1938.

PARTICULARS.	2¾ PER CENT. LOAN.	3 PER CENT. LOANS.			3½ PER CENT. LOANS.					
	1948-52.	1896-97.	BONDS, 1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	19[illegible]
Balance on 30th June 1938 .	*Nil*	11,40,600	*Nil*	1,06,700	26,52,800	95,00,400	40,52,500	10,93,100	4,35,650	3,3[illegible]
Add—										
Amount of Loan Certificate Transferred to Stock in London .	...	...	...	...	...	1,300	...	...	...	[illegible]
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	[illegible]
Amount enfaced at Madras up to	...	...	...	...	...	...	...	...	...	[illegible]
Amount enfaced at Bombay up to	...	...	...	...	...	...	...	...	...	[illegible]
Amount enfaced at Calcutta between 1st and 31st July 1938 .	...	500	...	...	...	...	2,000	...	...	[illegible]
	Nil	11,41,100	*Nil*	1,06,700	26,52,800	95,01,700	40,54,500	10,93,100	4,35,650	3,3[illegible]
Deduct—										
Amount written off in the London Registers .	...	11,400	...	...	10,600	4,000	...	...	...	[illegible]
Balance on 31st July 1938 .	*Nil*	11,29,700	*Nil*	1,06,700	26,42,200	94,97,700	40,54,500	10,93,100	4,35,650	3,3[illegible]

PARTICULARS.	4 PER CENT. LOANS.		4½ PER CENT. LOAN.	5 PER CENT. LOANS.				5½ PER CENT. LOANS.		TOTAL.
	BONDS, 1943.	1960-70.	1955-60.	Indian War Loan, 1929-47.	1945-55.	1939-44.	1940-43.	War Bonds, 1928.	1938-40.	
Balance on 30th June 1938 .	2,00,00,000	5,13,100	8,500	100	24,10,500	4,04,300	5,38,700	100	1,88,000	7,61[illegible]
Add—										
Amount of Loan Certificate transferred to Stock in London .	...	...	...	...	...	...	...	...	...	[illegible]
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	[illegible]
Amount enfaced at Madras up to	...	...	...	...	...	...	...	...	...	[illegible]
Amount enfaced at Bombay up to	...	...	...	...	...	...	..	...	...	[illegible]
Amount enfaced at Calcutta between 1st and 31st July 1938 .	...	...	...	...	...	...	...	...	...	[illegible]
	2,00,00,000	5,13,100	8,500	100	24,10,500	4,04,300	5,38,700	100	1,88,000	7,6[illegible]
Deduct—										
Amount written off in the London Registers .	...	...	...	...	...	..	...	...	...	[illegible]
Balance on 31st July 1938 .	2,00,00,000	5,13,100	8,500	100	24,10,500	4,04,300	5,38,700	100	1,88,000	7,6[illegible]

RESERVE BANK OF INDIA,
PUBLIC DEBT OFFICE,

S. A. RAHIM,
Accountant.

L. PERTWEE,
Manag[illegible]

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on — Week-days and Saturdays from 10 A.M. to 7 P.M. Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 20th August 1938

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona 5, the 10th August 1938.

No. G.-21224/P.-18 (Agri.).—Mr. A. K. Mallik, M.Sc., B.Sc. (Ag.) (Allahabad), Assoc. I.A.R.I., Assistant Agricultural Meteorologist (Temporary), Poona, has been granted 'earned leave' for sixteen days, with effect from the forenoon of the 1st August 1938, with permission to prefix Sunday, the 31st July 1938.

Poona 5, the 11th August 1938.

No. G.-21301/P.-99.—Mr. S. Basu, M.Sc. (Allahabad), Meteorologist, Upper Air Observatory, Agra, has been granted leave on average pay for eight days, with effect from the forenoon of the 3rd August 1938, with permission to affix the holiday on the 11th August 1938 on account of Rakshabandhan.

C. W. B. NORMAND,
Director General of Observatories.

ROYAL INDIAN NAVY.

NOTIFICATION.

APPOINTMENT.

Bombay, the 8th August 1938.

No. 52.—Engineer-Lieutenant P. C. Card, R.I.N., is appointed Offg. 1st Assistant to the Manager, Engineering Department, H. M. I. N. Dockyard, Bombay, with effect from 5th August 1938 and as 1st Assistant to the Manager, Engineering Department, H. M. I. N. Dockyard, Bombay, with effect from 5th November 1938, *vice* Engineer-Lieutenant G. W. A. Burgess, R.I.N., vacated.

C. J. NICOLL,
Captain,
for Flag Officer Commanding,
Royal Indian Navy.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 10th August 1938.

No. 1-An. (a).—Mr. V. V. Joshi, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, has been granted combined leave for one month and 22 days with effect from the 8th August 1938, consisting of privilege leave for one month and 8 days and furlough on half average salary for the

remaining period. He is permitted to affix the Dusehra holidays from the 30th September to the 3rd October 1938 to this leave.

No. 1-An. (b).—Mr. H. B. Chatterjee, an accountant in the office of the Controller of Military Accounts, Eastern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the 8th August 1938.

No. 2-An. (a).—Mr. Arjan Singh, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, has been granted privilege leave for one month and 10 days, with effect from the 8th August 1938.

No. 2-An. (b).—Mr. Moti Lal J. Malik, an accountant in the office of the Controller of Military Accounts, Northern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the 8th August 1938.

No. 6-An. (a).—Mr. N. C. Dutt, a Deputy Assistant Controller of Army Factory Accounts in the office of the Controller of Army Factory Accounts, has been granted privilege leave for 20 days, with effect from the 25th July 1938.

No. 6-An. (b).—Mr. M. L. Chowdhury, an accountant in the office of the Controller of Army Factory Accounts has been appointed to officiate as Deputy Assistant Controller of Army Factory Accounts in that office, with effect from the 25th July 1938.

Simla, the 13th August 1938.

No. 188-An.—Mr. Bindra Ban, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, has been appointed as Deputy Assistant Controller of Military Accounts, provisional, with effect from the 6th August 1938.

No. 4-An.—The undermentioned accountants in the office of the Controller of Military Accounts and Pensions have been appointed to officiate as Deputy Assistant Controllers of Military Accounts in that office, with effect from the dates shown against each:—

Mr. Kartar Singh—6th August 1938 (F. N.)

Mr. Chintaharan Banerjee—8th August 1938 (F. N.)

No. 1-An. (a).—Mr. Nihal Chand, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, has been granted privilege leave for 20 days from the 12th August 1938 with permission to prefix the Gazetted holiday on the 11th August 1938.

No. 1-An. (b).—Mr. Meghraj Tuteja, an accountant in the office of the Controller of Military Accounts, Eastern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the 12th August 1938.

J. PARLBY,

Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

Simla, the 8th August 1938.

No. S-159/2.—The following Telegraph Masters are appointed to the Telegraph Traffic Service, Class II, on probation for one year with effect from the dates noted against each:—

Name.	Circle.	Date of appointment on probation.
1. Mr. F. Fernandez.	Madras .	31st October 1937.
2. Khan Sahib K. D. Malik.	Punjab and N. W. F.	10th December 1937.
3. Mr. J. F. Martinz	Bombay .	8th January 1938.
4. Mr. A. H. Gilmour	Bengal and Assam.	22nd January 1938.
5. Mr. J. J. D'Vaz .	Bengal and Assam.	19th February 1938.
6. Mr. J. R. C. Ashe.	Madras .	19th February 1938.
7. Mr. C. D. Kennedy	Madras .	19th February 1938.
8. Khan Sahib Mohammad Khan.	Punjab and N. W. F.	19th February 1938.
9. Mr. J. P. D'Costa.	Bombay .	27th March 1938.

Simla, the 11th August 1938.

No. S.-93/1/37.—Mr. M. A. J. Vasnaik, Assistant Divisional Engineer, Telegraphs, is confirmed as Divisional Engineer, Telegraphs, with effect from the 12th December 1936.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

INCOME TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 8th August 1938.

No. 7593-C.T./2-E./13.—Mr. B. M. Sen Gupta, B.A., Income-tax Officer, District V, Calcutta is, with effect from the 9th August 1938 posted as Chief Examiner of Accounts.

2. Mr. M. Ahmed, B.A., Income-tax Officer, District IV(1), Calcutta is, with effect from the same date transferred to District V, Calcutta.

3. Mr. P. N. Das Gupta, B.A., Income-tax Officer, Mymensingh is, on the expiry of his leave posted to District IV(1), Calcutta, *vice* Mr. M. Ahmed transferred.

S. N. BANERJEA,

Commissioner of Income-tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATION.

Calcutta, the 15th August 1938.

No. E. P.-461/Pt. II.—Mr. H. Gatford, Executive Engineer, senior scale, has been granted 4 months' privilege leave combined with 2 months and 15 days' furlough on full pay to Europe, with effect from the 3rd August 1938.

This is in supersession of the Notification No. E. P.-461/Pt. II, dated the 20th July 1938 published in the *Gazette of India*, Part II, dated the 30th July 1938.

J. A. BELL,

General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 10th August 1938.

No. 186.—Captain B. S. Chalam, Malariologist, E. B. Railway, Calcutta, is granted leave on average pay for one month and seventeen days with effect from 11th August 1938 or any subsequent date of relief under Rules 5(i) and 6(i) of the State Railway Leave Rules. He is also permitted to affix the Pujah Holidays to the leave.

S. C. CHATTERJEE,

Chief Medical Officer.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 15th August 1938.

No. 84.—Mr. F. J. DeSouza, Executive Engineer, is granted an extension of leave on average pay for 14 days, with effect from 23rd August 1938, in continuation of the leave already granted to him under this office Notification No. 54, dated 7th May 1938.

J. MACKINNON,

General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 12th August 1938.

No. 21620-S./2188.—Mr. F. S. Strang, Asstt. Executive Engineer (Junior Scale) has been granted 3 months and 10 days' combined leave, *viz.*, 3 months and 4 days on average pay and 6 days on half average pay from 1st July 1938.

Mr. V. T. Narayanan, Probationer has been confirmed as Asstt. Trans. Superintendent (Traffic) in the Junior Scale from 23rd July 1938.

Mr. E. C. Kotiswaran, Officer on probation has been confirmed as Asstt. Trans. Superintendent (Power) in the Junior Scale from 25th July 1938.

J. H. F. RAPER,

General Manager.

The Gazette of India

NEW DELHI, SATURDAY, AUGUST 27, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

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Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
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Parts I-A, IV or V each	0	3	0
Extraordinary issues	Price fixed for each issue individually.		

There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 27th August 1938

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

August 13, 1938.

25549. A. C. Chatterjee. Automatic emergency train-stopping device.

25550. T. O. D. Jansen. An improved graphite lubricant.

August 15.

25551. C. W. Boddie and F. A. Sonnenschein. The self-priming counterbalanced head pump.

25552. C. W. Boddie and F. A. Sonnenschein. The reaction turbine.

25553. U. C. Tainton. Improvements in or relating to the recovery of metals from ores. (September 1, 1937).

25554. Standard Telephones and Cables Ltd. Improvements in or relating to automatic hunting switch or like circuit arrangements for use for example in telephone systems. (August 21, 1937).

25555. H. C. Bardsley. Improvements in and relating to the waistband construction of trousers and the like. (August 27, 1937).

25556. I. G. Farbenindustrie Aktiengesellschaft. Production of fast dyeings. (August 24, 1937).

25557. S. C. Ghosh. Improved oven. [Addition to No. 25086.].

25558. E. I. Du Pont De Nemours and Co. Method of forming delustered shaped articles. (September 28, 1937).

25559. The General Electric Co., Ltd. Improvements in or relating to ultra-voilet ray emitters and their envelopes. (September 14, 1937).

August 16.

25560. Takara Jidosha Kogyo Kabushiki Kaisha An internal combustion engine with means for varying the compression ratio.

25561. L. P. B. Buys. Tea rolling machine.

August 17.

25562. S. K. Basak. Improvements in or relating to century calendar.

25563. G. Nahman. Improvements in electromagnetic motors with reciprocating movement.

August 19.

25564. The General Electric Company Limited. Improvements in combinations of electric discharge lamps and electric incandescent lamps. (September 27, 1937).

25565. The General Electric Company Limited. Improvements in translucent refratory materials. (December 14, 1937).

25566. International Latex Processes Limited. Moulds for making hollow articles from latex rubber.

25567. Chinoin gyogyszer es vegyeszeti termekek gyara r. t. (Dr. Kereszty & Dr. Wolf). A process for the preparation of aromatic amines containing a sulphomamide group in the aromatic ring and of derivatives thereof.

25568. International Latex Processes Limited. Method of making rubber articles.

Alteration of Date.

(I).

24505. The claim to priority date 16th January 1937 has been disallowed and the application dated as of 5th October 1937, the date of filing in India.

(II)

24656. The claim to priority date 18th November 1936 has been disallowed and the application dated as of 22nd November 1937, the date of filing in India.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24337. H. Greenfield. Process for manufacture of Carbon Monoxide gas from vegetable fuel and recovery of by-products. [Addition to No. 23875]. *Gasifying vegetable fuel of 23875.*

24374. Standard Telephones and Cables, Limited. Radio direction finding and course indicating systems and apparatus therefor. *Signal indicating the route interrupted, modulated or its frequency varied periodically.*

24505. J. W. Nasmith. Improvements in or relating to combing machines. *The upper detaching roller, prior to the end of the fleece being backed off for piecing, roll downwardly behind the lower detaching roller.*

24656. The General Electric Co. Ld. Improvements in and relating to electric lamp and like holders. *Gripping socket members adapted to receive terminal members having one or more gaps.*

24690. Sanitation. Improvements in and relating to water traps and the like traps. *A perforated cover mounted on locked in position on a supporting ledge with co-operating members on the cover and the trap wall.*

24708. M. J. Udy. Improvements in chromium metallurgy and the manufacture of chromium steel. *Selective oxidation at fusion temperature of ores containing iron and chromium to form silicochromite and separating the unoxidised iron.*

25041. Imperial Chemical Industries, Ld. Improvements in or relating to the separation of minerals. *Immersing the solids in a moving stream of parting liquid surmounting by a moving stream of lighter immiscible liquid.*

25070. Mohd. Din. An improved machine or device for cutting ice, and vegetables and for mincing meat. *Container having a rotating spindle with a block for pushing the material and blades for cutting it.*

25096. Beckwith. Manufacturing Co. Improvements in encasements for tre ting fractures and the like. *Sheeted fibrous based impregnated with a water in-soluble coloid, rendered flaccid by an organic volatile solvent.*

25106. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to alternating current amplifiers. (April 6, 1937). *Normally conductive inductive curcuit subject to sudden cessation of current.*

25121. Marconis' Wireless Telegraph Co. Ld. Improvements in or relating to electrical oscillation generators. *A resonant line of concentric conductor type used both to stabilise generator frequency and to couple generator to amplifier.*

25123. Bochumer Verein fur Gusstahlfabrikation Aktiengesellschaft. Process and apparatus for hardening profiled parts. *Ring shaped sprays and heating burners for a profiled rotary body.*

25128. The Aluminium Plant and Vessel Company Limited. Improvements in or relating to methods of and means for operating plate heat exchange apparatus. (April 19, 1937.) *Steam introduced directly into heating water or liquid.*

25132. J. Luckhardt and A. Lorenz. Adjustable chair for sitting and reclining purposes. *One of the links forming the polygonal structure positively controlled on account of the supporting frame.*

25150. Meehanite Metal Corporation and O. Smalley. Improved process of and apparatus for the manufacture of ca st iron. *Introducing predetermined amount of finely divided graphitizing reagent to molten metal discharged from furnace over substantial proportion of time.*

25156. The General Electric Co. Ld. Improvements in protective devices for electric incandescent lamps. (May 10, 1937). *Protective resistors in series and parallel with filament.*

25167. B. Pross and F. Baldus. Method of and apparatus for spinning. *Belt passing over draw and guide rollers and guide rod arranged between the rear and middle rollers.*

25173. A. W. Pauley. Effervescent milk of magnesia and method of making same. *Magnesium hydroxide intimately mixed with effervescing materials.*

25187. Gesellschaft fur nautische und tiefbohrtechnische Instrumente mit beschraenkter Haftung and Professor Dr. O. Martienssen. Method of testing the porosity of strata penetrated by deep bore-holes. *Introducing plummet in bore-hole filled with slush, supplying current thereto and recording variation of current for different depths of plummet.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23861. Thermo-Electric Oil Extraction Ld.
24169. The Laterite Syndicate Ld.
24173. Standard Telephones and Cables Ld.
24176. Research Corporation.
24256. Fletcher.
24316. Symonds.
24470. Union Kupplung Aktiengesellschaft.
24573. Scroggie and Brodie.
24650. Shah.
24707. Colgate-Palmolive-Peet Co.
24757. Brassert and H. A. Brassert & Co. Ld.
24758. Et Lavigne.
24798. Hoag.
24802. Nyborg and The Mining Engineer Co. Ld.
24862. N. V. De Bataafsche Petroleum Maatschappij.
24886. Reynard and Thomas Ness Ld.
25002. Pilkington Brothers Ld.
25016. Imperial Chemical Industries Ld.
25018. Electric Selectors Limited.
25019. Electric Selectors Limited.
25020. Ezra and Ezra.
25027. Lohar.
25072. Asahina.
25073. Asahina.
25078. Wilkes and Whatmuff.
25085. Ashton-Hockly.
25369. Reynard and Thomas Ness Ld.
25383. Digby and Digby.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23570. Kadenacy and Armstrong Whitworth Securities Company Limited.
23580. Jarry.
23850. Allmanna Svenska Elektriska Aktiebolaget.
23873. Singha.
23882. Standard Telephones and Cables, Limited.
23884. Standrd Telephones and Cables, Limited.
23938. Schmidt.
23958. The Metal Box Co. Ld.
24042. The General Electrical Co. Ld.
24309. Ruhrchemie Aktiengesellschaft.
24362. I. G. Fabenindustrie Aktiengesellschaft.
24380. Metallic Manganese Company, Limited.
24455. Das and Das.
24465. Metropolitan Vickers Electric Co. Ld.
24501. Meehanite Metal Corporation.
24503. Seri Holding S. A.
24513. Martins.
24551. Dr. Schilling.
24571. Weiss and (Mrs.) Reich.
24666. International General Electric Co. of New York, Ld.
24667. Coats and Hafner.
24680. Universal Oil Products Co.
24706. Carp's Handelsbureau Voor Aviatiek and Scheepszaken N. V.
24713. Mhaswadkar.
24717. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny and Cirey.
24718. Rajagopalan.
24735. De Waal.
24767. Marconi's Wireless Telegraph Co., Ld.
24768. Marconi's Wireless Telegraph Co., Ld.
24797. Raz.
24805. Whitelegg, and Whitelegg and Rogers Ld.

Patents Sealed.

23848. Kilgore.
24295. Schwartz and Chavannes.
24300. Bochumer Verein fur Gussstahlfabrikation Aktiengesellschaft.
24358. The Kassipur Co. Ld.
24379. Hugo Schneider Aktiengesellschaft.
24410. Murray.
24485. Morgan.
24514. Standard Licht Gesellschaft mit beschrankter Haftung.
24635. Morgan.
24756. Richard Thomas & Co., Ld.
24762. Marconi's Wireless Telegraph Co. Ld.
24763. Automatic Telephone and Electric Co., Ld.
24765. Salani and Passardi.

Opposition Proceedings.

The opposition entered by K. C. Chukerbutty and M. N. Chakrabortty to the grant of a patent on application No. 24318 made by S. Chatterjee, B. Banerjee and P. C. Goswami and notified in Part II of the *Gazette of India*, dated the 16th April 1938, has been allowed in part. The sealng of the patent will be subject to the amendment of the specification.

The decision in the said opposition contains observations relating to several questions of practice in opposition proceedings before the Controller of Patents and Designs.

Copies of the full decision may be obtained from the Patent Office, No. 1, Council House Street, Calcutta, on payment of Re. 1 per copy.

Amendment Proceedings.

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that E. I. du Pont de Nemours & Co., of du Pont Building, Wilmington, County of New Castle, State of Delware, United States of America, seek leave to amend the specification in respect of their patent No. 24525. Any person desirous of opposing the application for amendment should, at any time within three months from the date of this Gazette, give notice of his intention to do so in the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta.

The proposed amendments are as follows :—

In the printed specification—

Page 6, line 29, *delete* "sodium bicarbonate,".

Page 6, lines 33-34, *delete* " using a ·5 per cent. sodium bicarbonate in the prewetting step the loss dropped to 4 ounces per ton ;".

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

18225. Lucien George Henry Dubern, Theophile Edouard Dubern and Edouard Henri Dubern.

Rectification of the Register of Patents.

Notice is hereby given that an application has been made under Section 64 of the Indian Patents and Designs Act, 1911, for rectification of the Register in respect of Patent No. 24325. The application may be inspected free of charge at the Patent Office, and copies thereof may be obtained from the Patent Office on payment of Re. 1 only. Any person desirous of opposing this application should leave a notice on patent Form No. 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, No. 1, Council House Street, Calcutta, on or before the 8th October 1938.

Renewal Fees Paid

PATENTS.

9761. Casale. (To 27th October 1939).
10700. Utermark. (To 23rd November 1939).
11093. The British Thomson-Houston Co., Ld. (To 7th November 1939).
11870. Intrenational General Electric Co., Inc. (To 30th November 1939).
12717. Mauterer. (To 8th November 1939).
12904. Crap. (To 16th November 1939).
13722. Comstock & Wescott, Inc. (To 26th October 1939).
13887. Mauterer. (To 19th December 1939).
14721. Dr. Krause. (To 7th October 1939).

14902. Dunlop Rubber Co. Ld. (To 12th October 1939).
14917. Dunlop Rubber Co., Ld. (To 17th October 1939).
14986. Svenska Aktiebolaget Bromsregulator. (To 13th November 1939).
16110. Dunlop Rubber Co., Ld. (To 25th October 1939).
16131. Dunlop Rubber Co., Ld. (To 18th October 1939).
16388. International General Electric Co., Inc. (To 4th November 1939).
16408. International General Electric Co., Inc. (To 12th November 1939).
16409. International General Electric Co., Inc. (To 12th November 1939).
17153. Plummer and anr. (To 5th September 1939).
17336. Sakamoto. (To 1st September 1939).
17352. The American Rolling Mill Co. (To 8th September 1939).
17456. National Malleable & Steel Castings Co. (To 5th September 1939).
17481. Dunlop Rubber Co., Ld. and ors. (To 20th October 1939).
17482. Dunlop Rubber Co., Ld. and ors. (To 20th October 1939).
17495. Winby. (To 15th August 1939).
17515. International General Electric Co., Inc. (To 3rd November 1939).
17562. Dunlop Rubber Co. Ld. (To 21st November 1939).
17582. Becker. (To 24th November 1939).
18342. Matthews. (To 9th September 1939).
18374. The V. D. Anderson Co. (To 21st September 1939).
18387. Siemens Brothers & Co., Ld. (To 28th September 1939).
18636. Aktiebolaget Spontan. (To 21st September 1939).
19123. Siemens Brothers & Co. Ld. (To 28th September 1939).
19146. Executors of James Mills Ld. (To 22nd August 1939).
19240. Allmanna Svenska Elektriska Aktiebolaget. (To 23rd September 1939).
19241. Allmanna Svenska Elektriska Aktiebolaget. (To 23rd September 1939).
19280. The Rulag Battery Co., Ld. (To 15th October 1939).
19308. Lindars. (To 18th October 1939).
19380. International General Electric Co. Inc. (To 14th November 1939).
19417. International General Electric Co. Inc. (To 28th November 1939).
19418. International General Electric Co. Inc. (To 28th November 1939).
19910. Isteg-Steel Corporation. (To 28th October 1939).
20217. Eisen-und Stahlwerk Walter Peyinghaus. (To 4th September 1939).
20219. Svenska Aktiebolaget Gasaccumulator. (To 6th September 1939).
20220. Svenska Aktiebolaget Gasaccumulator. (To 6th September 1939).
20394. Bertram B. Fenn Ld. (To 20th November 1939).
20402. "Ringfeder" G. m. b. H. (To 22nd November 1939).
20543. J. Stone & Co., Ld. (To 28th January 1940).
20544. J. Stone & Co., Ld. (To 22nd January 1940).
20556. Karim. (To 23rd January 1940).
20903. Curtis. (To 30th May 1939).
21059. Irvine. (To 22nd August 1939).
21188. Spence Ld., and anr. (To 18th September 1939).
21253. Lindars. (To 9th October 1939).
21327. Gadd. (To 5th November 1939).
21523. Munters. (To 8th September 1939).
21885. Diot. (To 25th September 1939).
22036. Kansara. (To 11th September 1939).
22226. Sir S. B. Tritton & Ors. (Partners of and Constituting the firm of Rendel Palmer and Tritton). (To 5th October 1939).
22376. Schering-Kahlbaum Aktiengesellschaft. (To 22nd November 1939).
22461. The English Electric Co., Ld. (To 31st December 1939).

Cessation of Patents.

19913. Casablancas.
20610. Ewing.
20848. Executors of James Mills Ltd.
20858. Skelton.
20866. Dr. Ing. Franz Langenscheidt.
20868. Thomson.
20874. Bhattacharji.
20875. Ewing.
21779. Richardson.

Registration of Designs.

The date following each entry is the date of regis tration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 1. No. 63086. Virji Shamji, Loovar-Gujerati, and the Diamond Safe Manufacturing Co. both of Kalbadevi Road, opposite Vithalvadi Bombay No. 2, February 18, 1938.

Class 4. Nos. 63521 to 63524. The Victoria Glass Works, of Ghusery, Howrah, Bengal, British India, July 6, 1938.

Class 4. Nos. 63525 and 63526. The Victoria Glass Works, of Ghusery, Howrah, Bengal, British India, July 8, 1938.

Class 4. Nos. 63527 and 63528. The Victoria Glass Works, of Ghusery, Howrah, Bengal, British India, July 9, 1938.

Class 5. Nos. 53543 & 63544. Jagan Nath Bhagwan Dass Proprietors, Madras Soap Co., of Amritsar (Punjab). July 11, 1938.

Class 5. No. 63556. V. B. Kusumgar & Company Limited, of Kalbadevi Road, Bombay No. 2, British India. July 5, 1938.

Class 13. Nos. 63609 & 63610. The Central India Spinning, Weaving and Manufacturing Co., Ltd. of "Bombay House," Bruce Street, Fort, Bombay. July 27, 1938.

Class 13. Nos. 63619 to 63623. The Calico Printers' Association Limited of St. James's Buildings, Oxford Street, Manchester, England. August 1, 1938.

Class 14. No. 63624. The Calico Printers' Association, Limited, of St. James's Buildings, Oxford Street, Manchester, England. August 1, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of the entry is the date of registration of the design included in the entry :—

Class 1. No. 38885. James Neil, and John MacBean Neil, both of J. & J. Neil & Co., of Temple Park Iron Works, Anniesland, Glasgow, Scotland. January 8, 1929.

Class 3. No. 36965. Dunlop Rubber Co., Ld. of Fort Dunlop, Erdington, Birmingham. October 9, 1928.

Copyright in the following design has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of the entry is the date of registration of the design included in the entry :—

Class 1. No. 57217. Atlantic Trust Co. Ld., of 10 Lefevre Street, Guernsey, Channel Islands. September 18, 1933.

Class 3. Nos. 57174 to 57178. Dunlop Rubber Co. Ld., of Fort Dunlop, Erdington, Birmingham. September 4, 1933.

NOTICES

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . . Indian Institute of Science.

Do. . . Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.

BARODA . . . Department of Commerce and Industries.

BERLIN . . . The Reich Patent Office.

BOMBAY . . Office of the Director of Industries.

CALCUTTA . . Patent Office, No. 1, Council House Street.

CAWNPORE . . Harcourt Butler Technological Institute.

DACCA . . . Sadar Registration Office.

DELHI . . . Office of the Superintendent of Industries.

LAHORE . . Punjab Public Library.

LUCKNOW . . Amiruddaula Public Library.

MADRAS . . Record Office, Egmore.

Do. . . . College of Engineering.

PATNA . . . Office of the Director of Industries, Bihar and Orissa.

POONA . . . Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.

RANGOON . . Office of the Chief Secretary, Home and Political Department, Government of Burma.

WASHINGTON (U. S. A.). . The Patent Office

B.—Where publications other than printed specifications are available :—

LONDON. . . Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Bombay, the 17th August 1938.

Portions of the following note of the Bombay Office of Issue are stated to have been destroyed, and payment of its value has been claimed by the person whose name is placed against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
D 18 of 1938	S/63-273611	100	Mr. Suprilal Ramasa Mahajan, General Merchant, Rajpur, Barwani State (C. I.).

V. G. DESHMUKH,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, BOMBAY.

Madras, the 17th August 1938.

Portions of the following Currency note of the Madras Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
S/75-761413	100	Basalingappa Murasavirappa Mudennavar, Cloth Merchant, Kubasada Galli, Hubli.

P. S. V. NAMBI,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, MADRAS.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

The following is a statement of the cash balances of the Central Government on the last day of July 1938 :—

	Rs.
(1) At the Reserve Bank of India in India	8,48,31,000
(2) At treasuries in India . .	18,20,000
(3) In England (Sterling converted at 18*d*. the rupee) . .	76,65,000
Total .	9,43,16,000

M. SUBRAHMANYAN,

Accountant General, Central Revenues.

NEW DELHI:

The 20th August 1938.

OFFICE OF THE ACCOUNTANT-GENERAL, POSTS AND TELEGRAPHS.

New Delhi, the 20th August 1938.

Statement showing the amounts realised and paid in each of the Postal Circles on account of Post Office 5-Year Cash Certificates, during June 1938, and the amounts outstanding at the end of the month.

[In thousands of rupees.]

Name of Postal Circle.	Cash realised from sales.	Amount repaid. Principal.	Amount of principal outstanding.
	Rs.	Rs.	Rs.
Bengal & Assam .	20,26	22,25	11,02,13
Bihar & Orissa .	4,86	5,08	2,28,04
Bombay . .	33,49	36,76	15,96,95
Central . . .	7,51	7,60	4,15,75
Sind & Baluchistan	4,48	5,25	2,59,53
Punjab . . .	18,03	20,95	11,08,28
United Provinces .	14,86	14,81	8,31,89
Madras . . .	7,34	7,47	2,96,84
Burma . . .	..	322	1,08,48
Total, June 1938 .	1,10,83	1,23,39	59,47,89
Total, June 1937 .	1,19,45	1,61,95	63,27,07
Total, June 1936 .	1,82,19	1,47,58	66,38,82

K. R. S. RAU,

Accountant-General, Posts and Telegraphs.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATIONS.

Bombay, the 20th August 1938.

No. 26.—Mr. P. M. Wagle, is appointed to act as an Assistant Currency Officer, Reserve Bank of India, Issue Department, Madras, with effect from the afternoon of the 12th August 1938, *vice* Mr. S. C. Mitra proceeded on leave.

Bombay, the 22nd August 1938.

No. 27.—1. On return from leave Mr. P. K. Basu is reposted as Currency Officer, Reserve Bank of India, Issue Department, Cawnpore, with effect from the 19th August 1938 *vice* Mr. M. K. Bhattacharyya reverted as Assistant Currency Officer in the same office.

2. On return from leave Rai Sahib N. L. Chakravarty is reposted as an Assistant Currency Officer, Reserve Bank of India, Issue Department, Calcutta, with effect from the 19th August 1938 *vice* Mr. M. N. Ray reverted as a Senior Superintendent.

MANILAL B. NANAVATI,

Deputy Governor.

SURVEY OF INDIA.

List of maps published during the month of July 1938.

GEOGRAPHICAL, GENERAL AND SPECIAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Description.	Year of survey.	Date of edition.	Number of sheets.	Size per sheet in inches.	Price.	Remarks.
					Rs. A.	
SPECIAL MAPS.						
Cantonment Plans.						
(Scale 16 inches to 1 mile.)						
* Abbottābād Cantonment . .	936-37	1938	3	Various	2 0 Per sheet	Third (Revised.) Edition.
Rāwalpindi Cantonment Sheets Nos. 4 and 10 .	1936-37	1938	2	"	2 0 Per sheet	Ditto.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Index Number.	District, etc.	Year of survey.	Date of current edition.	Price.	Remarks.
				Rs. A.	
	1. QUARTER-INCH MAPS. *(Scale 1 inch to 4 miles.)*				Underlining for Map Catalogue :— (a) Double red line.
†47 A	"Thāna"	1924-25	1938	0 12	2nd Edition.
‡47 H	Ratnāgiri	Various	1938	1 0	Provisional Issue.
	2. ONE-INCH MAPS. *(Scale 1 inch to 1 mile.)*				
39 K/14	Parts of Dera Ghāzi Khān and Muzaffargarh Districts.	1936-37	1937	1 8	Third (Revised) Edition.
†43 C/6	Part of Attock District .	1908-09	1938	1 8	Third Edition.
44 E/5	Parts of Gujrānwāla, Lyallpur and Shekhūpura Districts.	1910-11 (corrected 1930.)	1937	1 8	Second (Revised) Edition.
53 K/14	Parts of Garhwāl and Naini Tāl Districts.	1915-17	1937	1 8	(a)
63 N/15	Parts of Sāran Azamgarh and Gorakhpur Districts.	1921-22	1938	1 8	Second Edition.
72 O/4	Parts of Bhāgalpur, and Santāl Parganas Districts.	1936-37	1937	1 8	(a)
72 O/15	Parts of Mālda and Purnea Districts.	1936-37	1937	1 8	(a)
83 D/6	Parts of Cāchār and Sylhet Districts.	1909-10	1938	1 8	Second Edition.

* This Publication supersedes item 1 of Appendix 5 of the Map Catalogue.
† Gridded copies of these maps can be supplied at annas three per copy extra.
‡ Complimentary copies of this map will not to be issued.
NOTE:—Delete item No. 119 of Appendix 5 of the Map Catalogue.
Cantonment Plans are obtainable from the Director, Geodetic Branch, Survey of India, Dehra Dun.

List of maps published during the month of July 1938.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta—*contd.*

Index Number.	District, etc.	Year of survey.	Date of current edition.	Price.	Remarks.
				Rs. As.	
	2. ONE-INCH MAPS—*contd.* (*Scale 1 inch to 1 mile.*)				Underlining for Map Catalogue :— (*a*) Double red line.
§92 $\frac{D}{10}$	Parts of Bhamo and Myitkyina Districts.	1913-14	1938	1 8	Second Edition.
†§93 $\frac{B}{16}$	Parts of Kyaukse and Mandalay Districts and Northern and Southern Shan States	1930-31	1938	1 8	Third Edition.
§93 $\frac{D}{12}$	Parts of Yamethin District and Southern Shan States	1936-37	1937	1 8	(*a*)
§94 $\frac{B}{9}$	Part of Toungoo District . .	1904-06	1938	1 8	Second Edition.

† Gridded copies of these maps can be supplied at annas three per copy extra.

§ Copies of these maps are obtainable from the Curator, Government Book Depot, Rangoon, Burma.

C. G. LEWIS, Brigadier,

Surveyor General of India.

GOVERNMENT OF INDIA.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATION.

Simla, the 17th August 1938.

No. D.-510 (3).—Mr. R. N. Sarma, B.Sc. (Cal.), B.Sc. (Hons.), (Mech. Eng.), (Glas.), C.P.E. (Glas.), G.I.M.E. (Lond.), G.I.Loco.E. (Lond.), Assistant Engineer (Inspection), Calcutta Circle, Indian Stores Department, is granted "earned" leave for 15 days, with effect from the 8th August 1938, with permission to prefix to the leave Sunday, the 7th August 1938.

J. S. PITKEATHLY,

Chief Controller of Stores.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 20th August 1938.

No. 01370-E.—On return from leave, Mr. L. F. Ruse, resumed charge as Superintendent, Horticultural Operations, on the forenoon of the 2nd August 1938, relieving Sardar Sahib Bahadur Singh and Mr. A. Percy Lancaster.

New Delhi, the 24th August 1938.

No. 01370-E.—On return from leave, Mr. R. C. Ellis, resumed charge as Assistant Estate Officer on the forenoon of the 22nd August 1938, relieving Mr. Anant Ram.

F. T. JONES,

Chief Engineer.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE.

NOTIFICATIONS.

Camp Simla, the 18th August 1938.

No. 157/C.—Mr. Harnam Singh, Farm Superintendent, Agricultural Sub-station, Karnal, is granted an extension of leave on half average pay on medical certificate for 20 days, from 16th July 1938 preparatory to retirement.

No. 158/C.—Mr. Alimurtaza, 1st Farm Overseer, will continue to officiate as Farm Superintendent, Agricultural Sub-station, Karnal, until further orders.

B. VISWA NATH.

Director.

ANDHRA UNIVERSITY.

NOTIFICATION.

In accordance with the provisions of Section 21 (1) of the Andhra University Act, 1925 (Madras Act II of 1926) the Accounts of the University from 1st April 1936 to 31st March 1937 as audited by the Examiner, Local Fund Accounts, Madras, are published below :—

FINANCE AND ACCOUNTS—STATEMENT OF RECEIPTS AND CHARGES FOR 1936-37.

A-I.—GENERAL ACCOUNT.

RECEIPTS.

Particulars of Receipts.		Amount. Rs. A. P.	Rs. A. P.
Balance brought forward.			
In Office		100 0 0	
In Bank		46,719 14 9	46,819 14 9
A.—University Authorities and Administration—			
I. Grant (*a*) Statutory grant		1,50,000 0 0	
II. Contribution by Maharaja Saheb of Jeypore		..	
III. Sale of Code and Annual Register		83 13 0	
IV. Affiliation fee		1,500 0 0	
V. Transfer from other accounts— Foundation Fund account		1,25,000 0 0	
VI. Games and sports—			
i. Subscriptions	2,914 8 0		
ii. Cost of old tennis balls sold	20 0 0	2,934 12 0	
VII. Registration fee for employment Bureau		5 0 0	
VIII. Bus collections		3,064 7 0	
IX. Miscellaneous :			
i. Rent for motor garages	95 13 0		
ii. Recovery of cost of plans, etc.	66 0 0		
iii. " electric charges	37 11 9		
iv. " Cost of stamps affixed to agreements	6 0 0		
v. " Missing weights	1 4 0		
vi. " Books lost	2 13 9		
vii. " Locks lost in Hostel	21 0 0		
viii. " Books excess paid	2 13 0		
ix. " Water used for constructions	412 14 0		
x. " T. A. excess paid	10 0 0		
xi. " from Mr. D. G. Walawalkar towards amount erroneously spent by him from Permanent advance	8 6 0		

CHARGES.

Particulars of Charges.		Amount. Rs. A. P.	Rs. A. P.
A.—University Authorities and Administration—			
I.—Establishment Charges—			
1. Officers		36,000 0 0	
2. Ministerial Officers		26,591 12 0	
3. Provident Fund		2,087 0 0	
4. Leave allowances		2,602 3 0	
5. Leave and Pension contributions		2,692 13 0	
			69,973 12 0
II.—Travelling Allowance—			
1. Officers and Staff		1,569 13 0	
2. University authorities		17,720 3 0	
3. Committees, Commissions, etc.		6,459 11 0	
			25,749 11 0
III.—Contingencies—			
1. Printing		6,270 0 0	
2. Stationery		2,718 10 6	
3. Furniture		1,618 9 6	
4. Liveries, clocks, etc.		229 3 0	
5. Books		49 12 0	
6. Postage and Telegram charges		3,847 7 3	
7. Advertisement charges		901 4 4	
8. Gazette notifications		1,404 8 0	
9. Miscellaneous—			
i. Menial establishment	639 0 0		
ii. Other charges	2,482 8 2	3,121 8 2	
10. Unforeseen items		121 4 0	
			20,282 2 9

xii. Transfer from Provident Fund a/c towards University contribution due to Messrs D. G. Walawalkar & R. K. Kapur resigned . .	786 10 0		
xiii. Recovery of advance paid for purchase of coveyances . .	2,311 0 0		
xiv. Recovery of advances paid in 1935-36	563 15 0	4,326 4 6	
			2,86,914 4 6

B.—University College of Arts and Commerce—

No. of students.	Half fee. Hons.	Half fee. Pass.	Full fee. Hons.	Full fee. Pass.
1st term .	24	8	59	112
2nd term .	22	9	58	109
3rd term .	22	9	58	109

I. College fees—			
1. Tuition fee		21,394 0 0	
2. Other fees :—			
Registration of applications		247 0 0	
Admission fee		445 0 0	
Reading room and Magazine fee		1,797 0 0	
Library fee		1,198 0 0	
Union fee		599 0 0	
Medical inspection fee		203 0 0	
Miscellaneous and fines, etc.		(a) 98 8 0	
Fees from Research students		465 0 0	
„ R. A. students		700 0 0	
		27,146 8 0	
Add Fees of 1935-36 collected in 1936-37		73 12 0	
Amount excess collected		49 0 0	
		27,269 4 0	
Deduct short collections	51 0 0		
Fees of 1936-37 taken into accounts in 1937-38	59 0 0		
„ erroneously taken in Development Fund account	2 0 0	—112 0 0	
			27,157 4 0

C.—Jeypore Vikrama Deo College of Science and Technology—

	Half fee. Hons.	Half fee. Pass.	Full fee. Hons.	Full fee. Pass.
1st term .	22	..	52	5
2nd term .	22	..	51	4
3rd term .	22	..	48	5

College fees :	
1. Tuition fees	7,892 0 0

II B 2

IV.—Games and sports—			
1. University Physical Training Instructor . . .		1,200 0 0	
2. Other charges		3,397 9 6	
			4,597 9 6
V.—Unions—			
University Colleges Union and Association . . .		523 9 0	523 9 0
VI.—University Bus—			
1. Establishment charges		567 4 0	
2. Other charges		1,802 9 0	
			2,369 13 0
VII.—Grants and subscriptions—			
1. Grants to Students' Unions of Affiliated Colleges . .		227 0 0	
2. Grant to Indian Academy of Sciences		300 0 0	
3. Faculty Club		40 0 0	
4. Subscription to Inter-University Board . . .		750 0 0	
			1,317 0 0
VIII.—Other Charges—			
1. Fees to members of affiliation commission . . .		500 0 0	
2. Scholarships		5,925 6 0	
3. Honorarium for Medical inspection of students . .		260 0 0	
4. Taxes and ground rent		766 0 0	
5. Insurance premium on buildings		1,390 4 0	
6. Contingent charges, etc., for Fellows . . .		120 6 0	
7. Refunds, etc., of 1936-37		40 0 0	9,002 10 0
IX.—Advances recoverable.			90 13 9
			1,33,906 7 0

B.—University College of Arts and Commerce—

I.—ESTABLISHMENT CHARGES—			
1. Teaching staff		77,381 14 0	
2. Ministerial Officers		1,794 1 0	
3. Provident Fund		3,560 0 0	
4. Leave allowances		146 14 0	
			82,882 13 0
II.—CONTINGENCIES—			
1. Printing		30 14 0	
2. Stationery		37 7 0	
3. Furniture		354 13 0	
4. Liveries, clocks, etc.		47 0 0	
5. Postage and Telegram charges		75 0 0	
6. Miscellaneous—			
i. Menial establishment	240 0 0		
ii. Other charges	189 6 3	429 6 3	
			974 8 3
			83,857 5 3

A- I.—GENERAL ACCOUNT—*contd.*

RECEIPTS.

Particulars of Receipts.		Amount.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.
2. Other fees—			
Registration of applications		144 0 0	
Admission fees		115 0 0	
Reading Room and Magazine fee		693 0 0	
Laboratory fee		1,155 0 0	
Library fee		462 0 0	
Union fee		231 0 0	
Fee for Medical inspection		79 0 0	
Miscellaneous and fines, etc.		(*b*) 143 8 0	
Fee from Research students		1,006 12 0	
		11,921 4 0	
Add—Fees of 1935-36 collected in 1936-37		156 12 0	
Amount excess collected		32 12 0	
		12,110 12 0	
Deduct short collections	73 12 0		
Fees of 1936-37 received in 1937-38	369 4 0		
,, for applications erroneously credited to Development Fund	4 0 0		
		—447 0 0	
			11,663 12 0
D.—University Library—			
Tuition and other fees, etc.—			
i. Fee for Summer School of Librarianship	240 0 0		
ii. Fee for Diploma in Librarianship	368 8 0	608 8 0	
iii. Miscellaneous		154 1 0	
			762 9 0
E.—University Hostel—			
1. Rent		3,987 0 0	
2. Electric charges		776 9 9	
3. Depreciation charges		848 4 0	
			5,611 13 9

CHARGES.

Particulars of Charges.		Amount.	
		Rs. A. P.	Rs. A. P.
C. J. V. D. College of Science and Technology—			
I.—ESTABLISHMENT CHARGES—			
1. Teaching staff		40,106 9 0	
2. Ministerial officers		10,492 0 0	
3. Provident Fund		2,245 0 0	
4. Leave allowances		289 15 0	
			53,133 8 0
II.—CHEMICALS, APPARATUS AND CONTINGENCIES, ETC.—			
1. Printing		56 9 0	
2. Stationery		475 0 0	
3. Furniture		4,126 9 6	
4. Liveries, clocks, etc.		43 8 0	
5. Apparatus, chemicals, etc.		26,425 15 6	
6. Postage and Telegram charges		79 15 3	
7. Miscellaneous—			
i. Menial Establishment	374 6 0		
ii. Laboratory contingencies	494 10 6		
iii. Other charges	655 15 4		
		1,524 15 10	
8. Unforeseen items		934 13 0	
			33,667 6 1
			86,800 14 1
D.—University Library—			
I.—ESTABLISHMENT CHARGES—			
1. Librarian		3,140 0 0	
2. Ministerial officers		6,346 13 0	
3. Provident Fund		440 0 0	
4. Leave allowances		302 14 0	
			10,229 11 0
II.—BOOKS, PERIODICALS AND CONTINGENCIES, ETC.			
1. Printing		167 13 0	
2. Binding		718 8 9	
3. Stationery		419 1 2	
4. Furniture		4,625 1 0	
5. Liveries, clocks, etc.		9 8 0	
6. Books, periodicals, etc.		21,414 3 1	
7. Postage and Telegram charges		62 1 3	

8. M:s ellaneous—			
i. Menial Establishment . . .	160 2 0		
ii. Other charges	696 5 7		
		856 7 7	
			28,272 11 10
			38,502 6 10
E.—University Hostel—			
I.—ESTABLISHMENT CHARGES—			
i. Honorarium to Medical Adviser		478 3 0	
ii. Compounder and nightwatch		480 0 0	
iii. Provident Fund		127 0 0	
			1,085 3 0
II.—CONTINGENCIES—			
1. Furniture		847 7 6	
2. Utensils and lights		226 13 0	
3. Medicines		237 8 0	
4. Reading room		60 0 0	
5. Miscellaneous		90 10 0	1,462 6 6
			2,547 9 6
F.—Engineering—			
1. Establishme it charges		9,519 9 0	
2. Provident Fund		81 0 0	
3. Leave allowances		18 5 0	
			9,618 14 0
II.—RUNNING EXPENSES—			
i. Civil Engineering		279 9 6	
ii. Workshop contingencies		3,041 13 6	
iii. Power house contingencies.		275 15 3	
iv. Gas house contingencies		1,608 13 9	
v. Water charges		322 11 9	
vi. Electric charges		6,698 9 0	
vii. Sanitary and drainage contingencies . . .		153 2 3	
viii. Tube well charges		1,487 1 6	
			13,867 12 6
			23,486 10 6
			3,69,101 5 2
By Balance—In Office	100 0 0		
In Bank	9,728 4 10 (c)		9,828 4 10
Total . .			3,78,929 10 0

Total . 3,78,929 10 0

(*a*) Includes Rs. 30 received by way of recognition fees from students of Arts college and erroneously credited to this account.
(*b*) Includes Rs. 40 received as fee for doing practical work.
(*c*) Includes affiliation fee of Rs. 1,000.

A-II.—EXAMINATIONS ACCOUNT.

RECEIPTS.

Particulars of Receipts.	Rs.	A.	P.	Rs.	A.	P.
Balance brought forward						
In Bank	12,909	3	6			
In Treasury	8,000	0	0			
				20,909	3	6
I. EXAMINATION FEES.						
Fees for Examinations. (a)						
Matriculation	1,050	0	0			
Intermediate	55,226	0	0			
B.A.	29,590	0	0			
B.A. (Hons.)	1,450	0	0			
B.Sc.	4,485	0	0			
B.Sc. (Hons.)	2,965	0	0			
B.Com.	3,470	0	0			
B.Com. (Hons.)	925	0	0			
B. Ed.	3,050	0	0			
Medical	11,385	0	0			
Oriental Titles	2,918	0	0			
M.A. (Hons.)	900	0	0			
M.Sc.	200	0	0			
M.Sc. (Hons.)	400	0	0			
Librarianship	290	0	0			
Excess fees	5	0	0			
				1,18,309	0	0
II.—OTHER RECEIPTS.						
i. Penal Fees	350	0	0			
ii. Refund of advances paid for examination charges in 1935-36	2,883	0	0			
iii. Miscellaneous	1	4	0			
iv. Erroneous credit received in this account instead of the Development Fund account	71	0	0			
				3,305	4	0
Total				1 42,523	7	6

(a) For details *vide* annexed statement.

CHARGES.

Particulars of Charges.	Rs.	A.	P.	Rs.	A.	P.
I.—EXAMINATION CHARGES—						
1. Remuneration to Paper setters	26,262	11	0			
2. Remuneration to Examiners	40,411	13	0			
3. Travelling allowance to Paper setters and Examiners	11,815	4	0			
4. Remuneration to Superintendents	4,254	0	0			
5. Printing	3,465	0	0			
6. Stationery for examinations	2,398	14	0			
7. Minor Examination charges	6,576	14	7			
				95,184	8	7
II.—Transfer to other accounts— Development fund account				20,000	0	0
III.—Refund of fees of previous years				177	0	0
IV.—Advances recoverable				3,956	0	0
Balance carried over—						
In Bank	15,205	14	11			
In Treasury	8,000	0	0			
				23,205	14	11
Total				1,42 523	7	6

ENCLOSURE TO A-II EXAMINATIONS ACCOUNT.

Detailed statement of Examination fees.

1936-37.

	No. of candidates.	Rs.	Rs.	Amount. Rs. A. P.
i. Matriculation	70			1,050 0 0
ii. Intermediate-September 1936				
Whole Examination / Parts I and III / Parts II and III	211	5,908		
Parts I and II	77	1,694		
Part I only	145	1,740		
Part II only	63	630		
Part III only	263	5,260		
			15,232	
March-April 1937—				
Whole examination / Parts I and III / Parts II and III	1,222	34,216		
Parts I and II	14	308		
Part I only	55	660		
Part II only	41	410		
Part III only	220	4,400		
			39,994	
				55,226 0 0
iii. B. A.—September 1936—				
Whole Examination	27	1,215		
Parts I and II	52	1,560		
Parts I and III	34	1,530		
Parts II and III	10	350		
Part I only	137	2,740		
Part II only	51	510		
Part III only	77	1,925		
			9,830	
April 1937—				
Whole Examination	300	13,500		
Parts I and II	28	840		
Parts I and III	17	765		
Parts II and III	17	595		
Part I only	100	2,000		
Part II only	31	310		
Part III only	70	1,750		
			19,760	29,590 0 0
iv. B. A. Hons. (Preliminary)—September 1936—				
Part I	1	15		
English or Translation	5	50		
			65	
April 1937—				
Part I	17	255		
English or Translation	5	50		
			305	
Final—April 1937	18		1,080	
				1,450 0 0
v. B.Sc.—September 1936—				
Whole Examination	1	55		
Part I and II-B	1	40		
Part II	17	765		
Part II-A	10	250		
Part II-B	7	210		
Single subject	1	15		
Part I	17	170		
			1,505	
April 1937—				
Parts I and II	6	330		
Parts I and II-A	1	35		
Parts I and II-B	1	40		
Part II	43	1,935		
Part II-A	6	150		
Part II-B	6	180		
Part I	31	310		
			2,980	
				4,485 0 0

ENCLOSURE TO A-II EXAMINATIONS ACCOUNT.—*contd.*

	No. of candidates.	Rs.	Rs.	Rs. A. P.
vi. B. Sc. (Hons.)—June 1936—				
Part II-B	12		300	
September 1936—				
Part I	4	60		
Part I (*a*) or (*b*)	13	130		
Part II-A and 2 Sub-subjects	1	45		
Do. and 1 Sub-subject	1	35		
Part II-A only	11	220		
1 Sub-subject	4	60		
			550	
April 1937—				
Part I	22	330		
Part I (*a*) or (*b*)	7	70		
Part II Main (P. & C.)	11	440		
,, A. & B. (Tech.)	1	45		
,, B. (Tech.)	12	300		
,, B. & 1 Sub-subject	1	40		
,, A. & 1 Sub-subject	8	280		
,, A & 2 Sub-subjects	1	45		
,, 2 Sub-subjects	22	550		
,, 1 Sub-subject	1	15		
			2,115	
vii. B.Com.—September 1936—				2,965 0 0
Parts I and II	1	45		
Parts I (*a*) and II	1	40		
Parts I (*b*) and II	1	40		
Part I	17	255		
Parts I (*a*) or (*b*)	13	130		
Part II	15	450		
			960	
April 1937—				
Parts I and II	3	135		
Part I (*a*) and II	7	280		
Parts I (*a*) or (*b*)	4	40		
Part I	43	645		
Part II	47	1,410		
			2,510	
				3,470 0 0
viii. B.Com. (Hons.)—September 1936—				
Part I	4	60		
Part I (*a*) or (*b*)	6	60		
			120	
April 1937—				
Part I	7	105		
Part I (*a*) or (*b*)	4	40		
Part II Final	11	660		
			805	
				925 0 0
ix. B.Ed.—April 1936—				
Written and Practical	104		2,600	
Written only	30		450	
				3,050 0 0
x. Medical—January 1937—				
Pre-Registration		1,590		
First M. B. B. S.		2,005		
Second M. B. B. S.		1,490		
Final M. B. B. S.		1,220		
			6,305	
April 1937—				
Pre-Registration		825		
First M. B. B. S.		1,585		
Second M. B. B. S.		1,510		
Final M. B. B. S.		1,175		
			5,095	
			11,400	
Amount taken into credit in 1937-38			—15	
				11,385 0 0

ENCLOSURE TO A-II EXAMINATIONS ACCOUNT—*concld.*

	No. of candidates.	Rs.	Rs.	Rs. A. P.
xi. Oriental Titles—September 1936—				
Entrance Test	7		21	
April 1937—				
Entrance Test	19	57		
Preliminary or Final	198	2,376		
Preliminary and Final	16	384		
Certificate of Proficiency	8	80		
			2,897	
				2,918 0 0
M.A. Hons.	9			900 0 0
M.Sc. Hons.	4			400 0 0
M.Sc.	2			200 0 0
Librarianship—June 1936				
Second Summer Course	8		120	
April 1937—				
All subjects	7	140		
Two subjects	3	30		
			170	
				290 0 0
				1,18,304 0 0

A. III.—EXTENSION FUND ACCOUNT.

RECEIPTS.

Particulars of Receipts.	Rs. A. P.	Amount. Rs. A. P.
Balance brought forward—in Bank		254 9 1
1. Interest		146 10 1
2. Amounts of fixed deposit realised		5,420 1 9
Deduct—		
i. Amount invested in fixed deposit with Madras Provincial Co-operative Bank, Ltd.	5,129 7 0	
ii. Amount invested in fixed deposit with Imperial Bank	373 3 10	—5,502 10 10
Total . .		318 10 1

CHARGES.

Particulars of Charges.	Rs. A. P.	Amount. Rs. A. P.
Balance carried over—in Bank		318 10 1
Total . .		318 10 1

Inventory of Investments—

Deposit with Madras Provincial Co-operative Bank Ltd., for one year at $2\frac{1}{2}$ per cent.	5,129 7 0
Deposit with Imperial Bank of India, Vizagapatam, at $1\frac{1}{2}$ per cent. . . .	373 3 10
	5,502 10 10

A. IV.—PUBLICATION ACCOUNT.

RECEIPTS.

Particulars of Receipts.		Rs. A. P.	Amount. Rs. A. P.
Balance brought forward—in Bank			8,507 12 9
1. (*a*) Sale of S. S. L. C. Texts through Agency—			
Telugu	7,672	7,672 0 0	
Urdu	753	941 4 0	
Oriya	251	313 12 0	
		8,927 0 0	
Less amount received in 1937-38		—78 13 3	
			8,848 2 9
(*b*) Profits from Madras University on the sale of English and Sanskrit S. S. L. C. Texts-1935-36 . . .			8,840 0 0
2. Sale of other publications			375 4 5
3. Transfer from other accounts—			
Maharaja of Bobbili Research Fund			
i. Sanskrit section		2,000 0 0	
ii. Telugu section		4,000 0 0	
			6,000 0 0
Total . .			32,571 3 11

CHARGES.

Particulars of Charges.		Rs. A. P.	Amount. Rs. A. P.
1. (*a*) Printing of S. S. L. C. Texts—			
Telugu	7,750	1,597 11 0	
Urdu	950	578 9 0	
Oriya	300	173 6 0	
			2,349 10 0
(*b*) Profits to Madras University on the sale of Telugu and Urdu S. S. L. C. Texts in 1935-36			1,490 0 0
2. Editors' remuneration			725 0 0
3. Publication of other books			2,770 4 0
4. Miscellaneous charges including commission to Agents and advertisement charges			1,007 5 0
5. Advances recoverable			150 0 0
6. Transfer to other accounts—			
i. Development Fund account			10,000 0 0
Balance carried over—in Bank			14,079 0 11
Total . .			32,571 3 11

A-V.—BUILDINGS AND EQUIPMENT FUND ACCOUNT.

RECEIPTS.

Particulars of Receipts.	Rs. A. P.	Amount. Rs. A. P.
Balance brought forward—in Bank		67,565 3 9
1. Interest		1,875 0 0
2. Other receipts		20 0 0
3. Transfer from other accounts—		
Development Reserve Fund account		52,000 0 0
4. Amount realised on fixed deposits		75,000 0 0
Deduct—Amount reinvested in fixed deposit with Madras Provincial Co-operative Bank, Ltd.		—76,500 0 0
Total		1,19,960 3 9

CHARGES.

Particulars of Charges.	Rs. A. P.	Amount. Rs. A. P.
1. Building Construction :		
A. Major Works—		
i. (*b*) Clock Tower	3,186 13 3	
vi. Library Building	11,915 3 3	
vii. Technology Building	17,530 11 3	
viii. Additional Dining Hall	10,580 6 0	
ix. Hostel Dispensary	11,109 9 0	
B. Minor Works—		
ii. Compound wall	16 10 6	
		54,339 5 3
2. Equipment—		
i. Electricity	111 7 6	
ii. Water	376 12 3	
iii. Drainage	448 15 9	
v. Lightning conductors	2,854 7 0	
vi. Fire extinguishers	2,577 1 0	
		6,368 11 6
3. Play grounds and roads		651 1 0
4. Repairs to buildings		1,718 8 6
5. Miscellaneous :		
iv. Other charges		764 6 0
Advances recoverable		3,500 0 0
By balance carried over—in Bank		52,618 3 6
Total		1,19,960 3 9

A-VI.—DEVELOPMENT RESERVE FUND ACCOUNT.

RECEIPTS.

Particulars of Receipts.	Rs. A. P.	Amount. Rs. A. P.
Balance brought forward—in Bank		6,912 10 1
1. (a) Fees other than examination fees—		
Registration of Graduates	134 0 0	
Sale of lists of Registered graduates	6 0 0	
Migration Certificates	765 0 0	
Scrutiny of S. S. L. Certificates	177 0 0	
Exemption	1,532 0 0	
Change of Name	60 0 0	
Change of date of birth	20 0 0	
Recognition of examinations	340 0 0	
Registration of Matriculates	5,839 0 0	
Marks	1,567 12 0	
Certificates	998 13 0	
Convocation (in absentia)	1,469 0 0	
Other items	90 15 9	
(b) Miscellaneous	420 4 9	
		13,419 13 6
2. Interest		..
3. S. S. L. C. Compensation		15,000 0 0
4. Transfer from other accounts—		
i. Examination account	20,000 0 0	
ii. Publication account	10,000 0 0	
iii. Foundation Fund account	40,000 0 0	
		70,000 0 0
Total		1,05,332 7 7

CHARGES.

Particulars of Charges.	Rs. A. P.	Amount. Rs. A. P.
1. Refunds		68 0 0
2. Transfer to other accounts—		
Buildings and Equipment Fund account		52,000 0 0
Balance carried over—in Bank		53,264 7 7
Total		1,05,332 7 7

B-I.—ENDOWMENTS FUND ACCOUNT.

RECEIPTS.

Particulars of Receipts.	Rs. A. P.	Amount. Rs. A. P.
Balance brought forward—In Bank		6,292 5 0
1. Endowments—Cash—		
i. Veluri Venktramiah for V. B. P. Sastri's will	3,000 0 0	
ii. Srimathi Raghupathi Seshamma Garu Medal	212 0 0	
iii. Vice-Chancellor's Fund	8,000 0 0	
iv. Sir C. V. Raman Continuation Scholarships	900 0 0	
v. Aka Dandiah Prize	725 0 0	
vi. Sir A. Krishnaswami Iyer Lectureships	1,000 0 0	
		13,837 0 0
2. Interest		13,347 8 0
3. Amount of F. D. R. realised from Co-operative Central Bank Ltd.		1,500 0 0
4. Girl's Hostel, Electric charges		17 0 0
5. *Deduct* amount invested in 3½ per cent. (Irredeemable) G. P. Notes of the face value of Rs. 7,200		—7,262 1 0
Total		27,731 12 0

CHARGES.

Particulars of Charges.	Rs. A. P.	Amount. Rs. A. P.
I.—Cost of medals, prizes, dies, etc.—		
1. Andhra Nataka Pithamaha D. K. Charlu medal	48 14 4	
2. K. V. Lakshmana Rao medal	48 14 4	
3. Major Anderson medal	48 14 4	
4. Ch. Sanyasiraju medal	48 14 4	
5. First Pro-Chancellor's medal	48 14 4	
6. General Macdonald medal	48 14 4	
7. Kameswari Viswanath medal	48 14 4	
8. Sir R. Venkataratnam Intermediate medal	52 8 0	
9. Do. B.A. medal	48 14 4	
10. T. Sambiah medal	48 14 4	
11. V. Vanalata Devi Memorial prize	50 2 0	
12. S. Annapurnamma medal	48 14 4	
13. Sripathi medal	48 14 4	
14. Sir Stanley prize	46 15 0	
15. S. Krishnaswamy Iyer medal (prize)	15 0 0	
16. Srimati Raghupati Seshamma Garu (Lady Venkataratnam) medal	68 14 4	
17. Ishwara Devi Sahni Memorial prize	35 9 0	
18. Dr. S. Rangachary Operative Surgery medal (prize)	38 0 0	
19. Dr. S. Rangachary Surgery medal (prize)	27 0 0	
	871 14 0	
Less amount paid in 1937-38	—5 3 0	
		866 11 0
II.—Allowances to Fellows, Scholars and Students etc.—		
i. Kistna Dt. Board		1,686 5 0
ii. Guntur Dt. Board		975 0 0
iii. Goschen Scholarships		432 0 0
iv. Sir C. V. Raman Continuation Scholarships		353 13 0
III.—Maharajah of Bobbili Research Fund—		
Transfer to Publication account—		
i. Telugu section	4,000 0 0	
ii. Sanskrit section	2,000 0 0	
		6,000 0 0
IV. Vice-Chancellor's Fund		2,124 15 3
V. Miscellaneous		10 0 0
Balance carried over—In Bank		15,282 15 9
Total		27,731 12 0

INVENTORY OF INVESTMENTS.

3 per cent.	1896—97	G. P. notes of the face value of . .	2,000
3½ per cent.	1842—43	do.	42,200
	1854—55	do. . . .	61,300
	1865	do. . . .	1,28,150
	1879	do. . . .	100
	1900—01	do. . . .	32,700
	1947—50	do. . . .	6,200
	1943—55	Madras C. M. Bank debentures . .	10,200
			2,80,850
4 per cent.	1948	Punjab bonds of the face value of . .	3,500
		Calcutta Port Trust debentures . .	18,600
	1960—70	G. P. notes of the face value of . .	48,300
			70,400
4½ per cent.	1955—60	G. P. Notes of the face value of . .	1,200
5 per cent.	1939—44	do. . . .	2,600
	1945—55	do. . . .	2,900
			5,500
5½ per cent.	1938—40	do. . . .	3,300
		Grand total . .	3,63,250

Share certificates of the Vizianagram Central Co-operative Bank Ltd	700

ENCLOSURE TO B-I.—ENDOWMENTS FUND ACCOUNT.

Serial No.	Name of endowment.	3 per cent.	3½ per cent.	4 per cent.	4 per cent. Calcutta Port Trust Debentures.	4½ per cent.	5 per cent.	5½ per cent.	Central Co-operative Bank Share Certificates.	Cash.
1	2	3	4	5	6	7	8	9	10	11
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.
1	Andhra Nataka Pithamaha D. Krishnamacharlu medal . .		2,000							42 12 5
2	K. V. Lakshmana Rao medal . . .		2,000	100						41 9 11
3	Major Anderson medal		1,550							56 2 6
4	Ch. Sanyasiraju medal .		1,800	300						74 14 9
5	Dr. A. Lakshmipathl medal . . .		1,400	200						103 8 9
6	First Pro-Chancellor medal . . .	2,000								60 7 2
7	General Macdonald medal		2,000	100			300			107 6 2
8	Kameshwari Viswanath medal . . .		2,000	400						68 4 4
9	Sir R. Venkataratnam Inter. medal . .		1,500							20 8 1
10	Do. B. A. medal .		1,500							3 7 10
11	Do. Post-graduate medal . . .		1,700	300		100				101 11 6
12	Maharaja of Bobbili Research Fund		1,16,400	24,000	18,600	1,100	4,600	3,000		1,328 1 6
13	Rajah of Panagal Readership . .		6,900	4,500				300		213 5 8
14	Kistna District Board Fund . . .		68,300	2,900			600			1,585 8 7
15	Guntur District Board Fund . . .		53,600	1,000						1,750 15 10
16	Tamma Sambiah medal		2,000	200						35 2 7
17	Lord Goschen Memorial Fund . . .			11,400						376 3 3
18	V. Vanalata Devi Memorial Fund . .			1,700						105 9 6
19	Sonti Annapurnamma medal . . .			1,400						74 12 0
20	Sir A. Krishnaswamy Iyer Lectureship .									2,000 0 0
21	Sripathi medal .		3,100							73 14 10
22	V. Somasundara Rao prize . . .								700	5 13 0
23	Srimati Ishwara Devi Sahni Memorial prize.		100	900						63 1 6
24	Balasaraswati Inturi Padmavati Devi medal		100	1,300						91 13 2
25	Sir Stanley Prize . .		100	1,100						50 0 2
26	S. Krishnaswamy Iyer Medal . . .		1,200							32 7 8
27	V. P. Brahmananda Sastri Scholarship .		6,200							183 6 6
28	Srimathi Raghupathi Seshamma Garu (Lady Venkataratnam) medal . .		1,600							40 7 2
29	Dr. S. Rangachary Operative Surgery medal		1,600							33 7 0
30	Dr. S. Rangachary Surgery medal . .		1,500							85 10 0
31	Aka Dandiah prize .		700							34 2 0
32	Vice-Chancellor's Fund									5,892 0 9
33	Sir C. V. Raman continuation Scholarships .									546 3 0
		2,000	2,80,850*	51,800	18,600	1,200	5,500	3,300	700	15,282 15 9

*Includes 3½ per cent. 1945-55 debentures of the Madras Central Land Mortgage Bank Ltd., Madras for Rs. 10,200.

B-II.—FOUNDATION FUND ACCOUNT.

RECEIPTS.

Particulars of Receipts.	Rs. A. P.	Amount. Rs. A. P.
Balance carried over—In Bank		495 14 5
" Interest on securities		1,65,410 12 0
Total		1,65,906 10 5

CHARGES.

Particulars of Charges.	Rs.	Amount. Rs. A. P.
1. Miscellaneous charges		3 0 0
2. Transfer to other accounts—		
i. General account		1,25,000 0 0
ii. Development Fund account		40,000 0 0
By balance		903 10 5
Total		1,65,906 10 5

Inventory of Investments—

			Rs.
3½ per cent.	1842—43	G. P. notes of the face value of Rs.	24,700
	1854—55	do.	91,900
	1865	do.	86,100
	1879	do.	13,700
	1900—01	do.	43,400
	1947—50	do.	54,600
			3,14,400
4 per cent.	1960—70	do.	37,37,500
4½ per cent.	1955—60	do.	23,500
5 per cent.	1939—44	do.	64,700
	1945—55	do.	13,000
			77,700
		Grand total	41,53,100

B-III.—PROVIDENT FUND ACCOUNT.

RECEIPTS.

Particulars of Receipts.	Rs. A. P.	Amount. Rs. A. P.
Balance brought forward		
i. In Savings Bank	1,062 5 8	
ii. In Imperial Bank	800 1 8	1,862 7 4
1. (a) Subscription	8,075 0 0	
(b) Recovery of advances with interest	5,336 8 0	
(c) Interest	647 0 0	14,058 8 0
2. (a) Bonus	8,660 0 0	
(b) Interest	969 0 0	9,509 0 0
3. Interest on securities		1,906 9 8
4. Amount realised on Post Office Cash Certificates		650 0 0
Deduct amount invested in 3½ per cent. debentures of Madras Central Land Mortgage Bank, Ltd. of the face value of Rs. 900	900 0 0	
4 per cent 1960--70 Bonds of the face valoe of Rs. 5,600	6,489 9 0	—7,389 9 0
Total		20.597 0 0

CHARGES.

Particulars of Charges.	Rs. A. P.	Amount. Rs. A. P.
1. Advances recoverable		5,519 0 0
2. Payments on account of Life Insurance Premia		1,440 9 0
3. Interest—adjustment towards subscription and Bonus		1,616 0 0
4. Refund of subscription with interest		1,379 7 0
5. Refund of Bonus with interest		574 10 0
6. Transfer of Bonus to General account		786 10 0
Balance carried over—		
i. In Savings Bank	757 6 4	
ii. In Imperial Bank	8,523 5 8	9,280 12 0
Total		20,597 0 0

Inventory of Investments—

		Rs.
5 year Post Office Cash Certificate of the face value of		4,480
3 per cent. debentures of Madras Central Land Mortgage Bank		1,200
3½ per cent.	1947—50 bonds	6,000
	1900—01 „	3,500
	Debentures of Madras Central Land Mortgage Bank	6,600
4 per cent.	Do.	5,000
	1960—70 Bonds	30,200
	1948 Punjab Bonds	1,200
5 per cent.	1940—45 Bonds	800
		58,980

B-IV.—DEPOSIT ACCOUNT.

RECEIPTS.			CHARGES.		
Particulars of Receipts.		Amount.	Particulars of Charges.		Amount.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
Balance brought forward—In Bank		1,240 0 0	*Refunds* :		
Security Deposits		1,550 0 0	Security deposits		750 0 0
Earnest Money deposits		900 0 0	Miscellaneous deposits		70 0 0
Library Deposits		80 0 0	Balance carried over—In Bank		3,035 15 0
Miscellaneous Deposits		65 0 0			
Interest		20 15 0	Total		3,855 15 0
Total		3,855 15 0			

STATEMENT OF SECURITIES, DEPOSITS, ETC., HELD UNDER SAFE CUSTODY OR KEPT IN OFFICE AS ON 31ST MARCH, 1937.

Particulars.		With the Imperial Bank of India, Vizagapatam.	With the Reserve Bank of India.	With the Registrar.		
		Rs.	Rs.	Rs.	A.	P.
3 per cent.	1896—97	2,000				
3½ per cent.	1842—43	65,500	1,400			
	1854—55	1,51,700	1,500			
	1865	2,11,350	2,900			
	1879	13,800	..			
	1900—01	74,700	4,900			
	1947—50	6,800	2,500	57,500	0	0*
4 per cent.	Calcutta Port Trust Debentures	18,600				
	1960—70	33,200	45,300	37,37,500	0	0*
	1948 Punjab Bonds		4,700			
4½ per cent.	1955—60		24,700			
5 per cent.	1939—44	67,300				
	1940—43		800			
	1945—55	15,900				
5½ per cent.	1938—40		3,300			
	Post Office Cash Certificates			4,480	0	0
	Deposits			82,002	10	10
	Debentures			23,000	0	0
Share Certificates				700	0	0
	Total	6,60,850	92,000	39,05,182	10	10

*Stock Certificates.

R. S. ROW,
Acting Registrar, Andhra University,
Waltair.

DEPARTMENT OF MINES IN INDIA.

Dhanbad, the 17th August 1938.

RULES FOR THE CONDUCT OF EXAMINATIONS FOR UNDERGROUND SHOT-FIRERS' CERTIFICATES MADE BY THE BOARD OF EXAMINERS UNDER REGULATION 31 (4) OF THE INDIAN COAL MINES REGULATIONS, 1926.

1. So far as is practicable the local examiners appointed by the Board shall be one or more colliery managers who shall be the holders of first or second class certificates and have a knowledge of the local vernacular, and an Inspector of Mines who shall also be Secretary.

2. The remuneration of each non-official examiner shall be a capitation fee of annas eight per candidate examined.

3. Examinations shall be held at such times and such places as may be fixed by the Board.

4. Examinations for shot-firers' certificates shall be conducted orally in English or in the vernacular language of the district in which the examination is held and shall be designed to test the candidate's knowledge of the following subjects, namely: —

(a) the charging and firing of shots of gunpowder and high explosives;

(b) the provisions of the regulations, rules and bye-laws under the Act relating to the handling and use of explosives; and

(c) the examination of a working place after shot-firing.

5. Applications for examination shall be submitted on the prescribed form and with a receipted chalan for the prescribed fee to the Chief Inspector of Mines.

6. At the time of examination every candidate shall hand over to the examiners two unmounted photographs of himself of a size approximately 2 inches × 2½ inches, and one of the examiners shall endorse the photographs on the back with the name of the person whom they represent.

7. Before examining a candidate the local examiners shall satisfy themselves that—

(a) the photograph handed over by the candidate is a likeness of the candidate;

(b) the candidate has attained the age of 21 years;

(c) the candidate has had not less than two years' practical experience underground in a coal mine, of which at least six months shall have been practical experience in connection with shot-firing;

(d) the powers of eyesight and hearing of the candidate are such as to enable him to make underground inspections efficiently;

(e) the prescribed fee has been paid.

8. The local examiners shall record the left thumb impression of successful candidates.

W. KIRBY,
Chief Inspector of Mines in India
and
Chairman of the Board of Examiners.

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(Government of India.)

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K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 27th August 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

IMPERIAL VETERINARY RESEARCH INSTITUTE, MUKTESWAR.

NOTIFICATION.

Mukteswar-Kumaun, U. P., the 16th August 1938.

No. G./1647.—Mr. V. R. Rajagopalan, G.M.V.C., Offg. Assistant Veterinary Research Officer, is granted study leave for ten months, with effect from the 1st October 1938, combined with leave on average pay for two months from the 22nd August 1938 to the 30th September 1938 and from the 1st August 1939 to the 21st August 1939, with permission to prefix Sunday, the 21st August 1938.

Mr. S. Ganapathy Iyer, Offg. Veterinary Inspector, is appointed to officiate as Assistant Veterinary Research Officer on Rs. 250 per mensem in the scale of Rs. 250—25—550—(Efficiency Bar)—25—750 per mensem *vice* Mr. Rajagopalan.

J. R. HADDOW,

Offg. Director,

Imperial Veterinary Research Institute.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATIONS.

Simla, the 23rd August 1938.

No. E. B.-15.—Mr. L. K. Dey, Assistant Aerodrome Officer, Jacobabad (on leave), is granted an extension of earned leave for 3 days from 10th to 12th August 1938.

Simla, the 24th August 1938.

No. E. B.-15.—Mr. J. K. Karanjia, Assistant Aerodrome Officer, Cawnpore, is granted earned leave for 45 days with effect from the forenoon of the 1st September 1938.

No. E. B.-15 (i).—Mr. Gur Bhajan Singh, Assistant Aerodrome Officer, Delhi, is transferred to Cawnpore *vice* Mr. Karanjia.

F. TYMMS,

Director of Civil Aviation in India.

ROYAL INDIAN NAVY.

NOTIFICATIONS.

LEAVE.

Bombay, the 15th August 1938.

No. 53.—Engineer Lieutenant E. D. Ford, R.I.N., is granted 14 months' absence from India, from 13th August 1938. The first 3 months will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

No. 54.—Engineer Lieutenant D. Shankar, R.I.N., is granted 12 months' absence in and out of India, from 2nd August 1938. The first 2 months will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

C. J. NICOLL,
Captain,
for Flag Officer Commanding,
Royal Indian Navy.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 22nd August 1938.

No. 107-P.—The services of 1st Class Asst. Surgeon R. F. Fleming, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 14th July 1938.

No. 108-P.—The services of 1st Class Assistant Surgeon A. R. Thoy, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 1st August 1938.

N. M. WILSON,
Major-General, I.M.S.,
Director-General, I.M.S.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 17th August 1938.

No. 4-An.—Mr. Gobind Ram Kapoor, Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions, has been granted privilege leave for two months, with effect from the 15th August 1938.

Simla, the 18th August 1938.

No. 4-An.—Mr. Ghulam Rasul, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions has been granted privilege leave for 2 months and 11 days, with effect from the 25th July 1938.

No. 5-An.—The undermentioned accountants in the office of the Controller of Military Accounts, Southern Command, have been appointed to officiate as Deputy Assistant Controllers of Military Accounts in that office, with effect from the date shown against each:—

1. Mr. B. B. Tarawade . . . 8th August 1938.
2. Mr. K. S. S. Iyer . . . 9th August 1938.

Simla, the 22nd August 1938.

No. 6-An.—Mr. M. L. Chowdhury, an officiating Deputy Assistant Controller of Army Factory Accounts in the office of the Controller of Army Factory Accounts, reverted to his substantive grade, with effect from the afternoon of the 13th August 1938.

No. 3-An. (a).—Mr. B. Srinivasa Aiyar, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Western Command reverted to his substantive grade, with effect from the 13th August 1938.

No. 3-An. (b).—On return from leave Mr. Gopi Chand Jali, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Western Command resumed duty in that office on the forenoon of the 13th August 1938. The unexpired portion of the leave granted to him in this Department Notification No. 74-An., dated the 7th July 1938, is hereby cancelled.

Simla, the 24th August 1938.

No. 1-An.—Mr. J. N. Mukerjee, an Accountant in the office of the Controller of Military Accounts, Eastern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office with effect from the 20th August 1938.

J. PARLBY,
Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTICE.

Simla, the 19th August 1938.

A competitive examination for the recruitment of candidates for appointment as Engineering Supervisors and Wireless Operators will be held on the 12th December 1938 and subsequent dates at Calcutta, Gauhati, Dacca, Patna, Bombay, Rangoon, Nagpur, Madras, Lahore, Delhi, Rawalpindi, Karachi, Agra and Lucknow in accordance with the rules published in the *Gazette of India*, dated the 13th August 1938.

2. The examination will be a combined examination for the purpose of filling vacancies in the two services mentioned above. Vacancies in the grade of Engineering Supervisors will be filled first. There after the vacancies in the grade of Wireless Operators will be filled from among those candidates who qualify in the examination but are not selected for appointment as Engineering Supervisor. Candidates who are willing to accept appointments to the posts of Wireless Operators should state this on the form of application.

3. The examination will be confined to—

(*a*) the following classes of departmental officials, who have not more than 7 years' service in their respective grades on the 1st January 1938:—

(i) Telegraphists, and

(ii) Telephone Inspectors, Telephone Operators, Telephone Mechanics and Baudot and Signal Room Mechanics who have passed at least the Matriculation examination; and

(*b*) other candidates [including departmental candidates excepting those mentioned in (*a*) above] who are at least 17 and less than 24 years of age on the 1st January 1938, and who—

(i) have passed the Cambridge School Certificate examination, or

(ii) have passed the Intermediate Science examination of an Indian University, or

(iii) have passed the Intermediate Arts examination with Physics of an Indian University, or

(iv) have obtained one of the following diplomas in Engineering:—

Particulars of diploma.	Name of institution granting the diploma.
(*a*) Electrical Engineering.	Victoria Jubilee Technical Institute, Bombay.
	Technical College, Dayalbagh, Agra.
(*b*) Mechanical and Electrical Engineering.	College of Engineering, Poona.
	Nadirshaw, Edulji Dinshaw Civil Engineering College, Karachi.
	Technical Institute, Insein.
(*c*) L. E. E.	Government School of Technology, Madras.
(*d*) Overseer	Ahsanullah School of Engineering, Dacca.
(*e*) Mechanical Engineering.	Technical College, Dayalbagh, Agra.
(*f*) Civil Engineering .	Technical Institute, Insein.
	Orissa School of Engineering.
(*g*) Electrical Engineering (Grade A).	Government Technical School, Lucknow.
(*h*) Subordinate Civil Engineering.	Bihar College of Engineering, Patna.

4. The number of vacancies to be filled on the results of this examination is as follows:—

Engineering Supervisors.—Forty.—Twenty of these will be filled in strict order of merit by the candidates mentioned in paragraph 3 (*a*) above who qualify at the examination. The remaining twenty vacancies and any vacancies to fill which qualified candidates from those admitted to the examination under paragraph 3 (*a*) above are not available will be filled by the candidates mentioned in paragraph 3 (*b*) above who qualify at the examination in strict order of merit subject to the provisions of the Government of India, Home Department Resolution No. F. 14/17-B/3-Ests., dated the 4th July 1934.

Wireless Operators.—Thirty-six.—Vacancies will be filled by the candidates mentioned in paragraph 3 (*b*) above who qualify at the examination in strict order of merit subject to the provisions of the Government of India, Home Department, Resolution No. F. 14/17-B/3-Ests., dated the 4th July 1934.

5. Rules relating to recruitment of candidates and form of Application may be obtained from any of the following officers:—

1. Postmaster-General, Bengal and Assam Circle, Calcutta.
2. Postmaster-General, Bihar and Orissa Circle, Patna.
3. Postmaster-General, Bombay Circle, Bombay.
4. Postmaster-General, Central Circle, Nagpur.
5. Postmaster-General, Madras Circle, Madras.
6. Postmaster-General, Punjab and N.-W. F. Circle, Lahore.
7. Postmaster-General, United Provinces Circle, Lucknow.
8. Director of Posts and Telegraphs, Sind and Baluchistan Circle, Karachi.
9. Director-General, Posts and Telegraphs, Burma, Rangoon.

6. No application will be considered unless it is received in the prescribed form and is accompanied by the necessary documents. It must be submitted in accordance with the procedure indicated in the rules and reach one of the nine officers mentioned above before the 1st October 1938. No application will be considered if recevied on or after that date.

7. No representation that an Application Form has been lost or delayed in the post beyond the fixed date, will be considered unless the person making such allegation produces a post office registration receipt.

8. The question papers of previous examinations for recruitment of candidates for the posts of Engineering Supervisors and Wireless Operators are available for sale and can be obtained from the office of any of the nine officers mentioned above.

G. V. BEWOOR,

Director-General,

Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 21st May 1938.

No. 3079-C. T.—Mr. E. Sadique, B.A., Income-tax Officer, District II (2), Calcutta is, in addition to his own duties appointed Superintendent of Survey, with effect from the 23rd May 1938.

2. Mr. P. C. Dey, M.A. (Com.), Income-tax Officer, Railways and Miscellaneous Salaries Circle, Calcutta, is with effect from the forenoon of the 23rd May 1938, transferred to Mymensingh.

3. Mr. M. Mannan, B.Sc., Officiating Income-tax Officer, District IV (2), Calcutta is, on being relieved by Mr. A. Khan, appointed to officiate as Income-tax Officer, Railways and Miscellaneous Salaries Circle, Calcutta, with effect from the forenoon of the 23rd May 1938, *vice* Mr. P. C. Dey.

4. Mr. S. L. Nandi, B.A., Income-tax Officer, Hooghly is, on the expiry of his leave, transferred to District II (2), Calcutta.

5. Capt. S. C. Chowdhury, M.Sc., Income-tax Officer, District V, Calcutta is, transferred to District I (1), Calcutta, with effect from the 1st June 1938.

6. Mr. B. M. Sen Gupta, B.A., Income-tax Officer, District I (1), Calcutta is, transferred to District V, Calcutta, with effect from the 1st June 1938.

7. Mr. S. B. Roy, B.Com., Additional Income-tax Officer, 24-Parganas is transferred to Dacca, with effect from the 1st June 1938.

8. Mr. G. Rahman, M.A., Additional Income-tax Officer, Dacca, is transferred to District I (2), Calcutta, with effect from the 1st June 1938.

Calcutta, the 31st May 1938.

No. 3732/2-E./13-C. T.—Mr. N. K. Banerjea, M.A., Additional Income-tax Officer, District I (1), Calcutta, is transferred to District IV (2), Calcutta.

2. Mr. H. K. Das Gupta, B.A., B.L., LL.B., Additional Income-tax Officer, District IV (2), Calcutta, is transferred to District I (1), Calcutta.

3. Mr. A. Aziz, M.A., Additional Income-tax Officer, District VI, Calcutta, is transferred to District I (2), Calcutta.

4. Mr. S. A. Khondkar, M.A., B.L., Additional Income-tax Officer, District III (2), Calcutta, is transferred to District VI, Calcutta.

5. Mr. S. B. Roy, B.Com., Additional Income-tax Officer, 24-Parganas is transferred to District III (2), Calcutta.

6. This order takes effect from forenoon of the 1st June 1938, and cancels paragraphs 7 and 8 of my Order No. 3079-C. T., dated the 21st May 1938.

S. N. BANERJEA,

Commissioner of Income-tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATION.

Calcutta, the 17th August 1938.

No. AE. 2806.—Mr. B. Venkataraman, officiating Superintendent, Senior Scale, Mechanical Engineering and Transportation (Power) Department, has been granted 3 months and 11 days privilege leave combined with 4 months and 19 days furlough on half pay in India, with effect from the 23rd August 1938 or subsequent date of relief.

J. A. BELL,

General Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, SEPTEMBER 3, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Gazette including extraordinary issues and Supplement but excluding Part I-A . . .	48	0	0	15	0	0
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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,

Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 3rd September 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

August 20, 1938.

25569. O. Ulbricht. Sliding clasp fastener on beaded tapes.

25570. L. B. Smith. Improvements in or relating to the thermal generation of electric current. (August 24, 1937).

25571. Conflu, Ld. Improvements in or relating to hydraulic gear.

25572. P. Frankfurther. Improvements in or relating to fabrics and other materials and to articles of apparel and the like.

August 22.

25573. U. N. Dutt and S. Nandi. Baby tank.

25574. The V. D. Anderson Co. Improvements in press and method of operating same.

25575. J. L. Et Lavigne. Improvement in means and method for thoroughly and effectively mixing together two or more fluids.

25576. Epeda-Werke Rudolf Platte. Improvements in or relating to methods and apparatus for making spring assemblies or spring fillings. (July 14, 1938).

25577. Imperial Chemical Industries, Ld. Process of treating cellulosic textile materials. (August 23, 1937).

25578. Molins Machine Co., Ld. Improvements in or relating to boxes. (September 22, 1937).

25579. Societe De Prospection Electrique, Procedes Schlumberger. Process and devices for surveying the beds traversed by a drill hole by means of their calorific properties.

25580. Studien-und Verwertungsgesellschaft mit beschrankter Haftung. Process for producing paraffin. (July 27, 1938).

25581. The General Electric Co., Ld. Improvements in advertising signs and the like comprising electric discharge lamps. (September 21, 1937).

25582. The General Electric Co., Ld. Improvements in electric discharge devices. (September 23, 1937).

25583. The General Electric Co., Ld. Improvements in caps for electric lamps. (September 27, 1937).

25584. The General Electric Co., Ld. Improvements in high-pressure metal-vapour lamps and in means for operating them. (September 28, 1937).

25585. The General Electric Co., Ld. Improvements in combinations of a source of radiation with material adapted to be excited to luminescence by the radiation. (January 13, 1938).

25586. The British Tabulating Machine Co., Ld. Improvements in or relating to methods of, and means for, reading statistical record cards.

August 23.

25587. The General Electric Co., Ld. Improvements in negative glow electric discharge lamps. (September 16, 1937).

25588. Hoare & Co. (Engineers), Ld. Improvements relating to furnaces. (July 8, 1938).

August 24.

25589. Standard Telephones and Cables, Ld. Attenuation equalisers.

25590. Standard Oil Development Co. Method of improving oil wells.

August 25.

25591. M. Noormohamed. A simple douche appliance.

25592. J. M. Merle. Improvements in or relating to flat metallic products.

25593. J. M. Merle. Improvements in or relating to a method of making flat metallic products.

25594. J. M. Merle. Improvements in or relating to apparatus for making flat metallic products.

25595. J. M. Merle. Improvements relating to products derived from molten material.

25596. J. M. Merle. Improvements relating to a method of making products derived from molten material.

25597. J. M. Merle. Improvements relating to apparatus for making products derived from molten material.

25598. J. M. Merle. Improvements in or relating to powdered or granular products.

25599. J. M. Merle. Improvements relating to apparatus for making products derived from molten material.

25600. A. A. Horvath. Improvements in treating soya. (July 12, 1938).

25601. The Guardite Corporation. Improvements in or relating to the treating, impregnating or moistening of bulk products, for example organic products, particularly tobacco.

25602. Glareless Lamps, Ld. Improvements in or relating to electrical systems. (July 31, 1937). [Divisional Date March 28, 1938].

August 26.

25603. Studien-und Verwertungsgesellschaft mit beschrankter Haftung. Synthesis of higher aliphatic hydrocarbons. (July 30, 1938).

25604. The General Electric Co., Ld. Improvements in beacons emitting radiation for guiding air-craft and the like. (December 16, 1937).

25605. The General Electric Co., Ld. Improvements in methods of introducing electric conductors into hermetically sealed envelopes of which a substantial part is quartz. (September 16, 1937).

25606. A. Hutchings. An improved machine for treating tea leaf to subject the same to green sifting, ball breaking, cooling, grading and stalk extracting.

25607. R. H. Whitelegg, and Whitelegg & Rogers, Ltd. Improvements in or relating to soft grease pumps.

25608. J. D. Rogers and Whitelegg & Rogers, Ld. Improvements in or relating to hard grease containers for locomotive axle box lubrication.

Alteration of Date.

(I)

24220. The claim to priority date 15th July 1936 has been disallowed and the application dated as of 14th July 1937, the date of filing in India.

(II)

24243. The claim to priority date 21st July 1936 has been abandoned and the application dated as of 20th July 1937, the date of filing in India.

(III)

24533. The claim to priority date 19th October 1936 has been abandoned and the application dated as of 22nd October 1937, the date of filing in India.

(IV)

24595. The claim to priority date 3rd November 1936 has been disallowed and the application dated as of 1st November 1937, the date of filing in India.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24220. The General Electric Co., Ld. Improvements in or relating to electric discharge lamps. *Tellurium vapour mixed with mercury.*

24243. The General Electric Co., Ld. Improvements in or relating to the manufacture of electric discharge devices. *One leading in wire has an arm and a face to separate the electrodes.*

24346. B. Das. A kiosk for use in parks and like public places. *Two compartments, one accommodating lecturer and arrangement for amplification of voice and the other provided with a dustbin.*

24367. B. C. Mallick. Improved advertising means. *Advertising board having two sheets of transparent material with interposed celluloid stencil sheet and small pieces of celluloid screening the cut portions.*

24446. H. Linde. Improvements in and relating to dust bins and refuse collecting carts. *Device for emptying dust bins in carts comprising cover plate for cart with discharge opening and means for coupling cover plate with the bin.*

24533. The General Electric Co., Ld. Improvements in or relating to air-tight joints between metals and ceramic materials. *Heated while in intimate contact with a powdered metal, then soldering the metal body to the metal layer.*

24595. The General Electric Co., Ld. Improvements in or relating to circuits for operating high-pressure mercury vapour lamps. *Circuit characteristics so as to give a greater value for drop of voltage.*

24597. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to electron discharge tubes. *Strip like cathode with stiffening ribs or channels.*

24731. I. G. Farbenindustrie Aktiengesellschaft. Process for the manufacture of aromatic sulphonamide-substituted antimony compounds. (December 14, 1936). *Reacting diazo compounds of aromatic sulphonamide substituted amines with trivalent antimony compounds.*

24852. Imperial Chemical Industries, Ld. Improvements in or relating to the bleaching of textiles. (January 23, 1937). *Treatment with a hypochlorite solution within neutral pH range followed by treatment with an alkaline solution and an oxidising bleaching agent.*

24895. Sulzer Freres Societe Anonyme. Process and apparatus for reducing the topping water required for a high pressure flow-through tubular steam generator, engine and condenser. *First separator in the evaporating zone of the generator, and thereafter a final separator.*

24944. Aktiebolaget Svenska Flaktfabriken. An improved screw propeller for fans. *Blades with profile of aeroplane wing are divided in two groups, one group having working edge of blades turned in opposite direction to that of the other.*

24959. Howard and Bullough, Ld. Improvements relating to underclearers and their mountings in textile spinning, doubling, twisting and like machines. (February 18, 1937). *Mounted upon a single cradle capable of oscillation in a vertical plane at right angles to roller axis.*

24966. D. Komlos. Improvements in the production of surfaces for building and like purposes. (October 8, 1937). *By a composition comprising sand, filler having irregular shape and low oil-absorption properties, and binder consisting of stand-oil, synthetic resin and solvent.*

25023. The Ahmedabad Manufacturing & Calico Printing Company, Limited. Improvements in or relating to printing machines. *Apron made of colour impenetrable material travelling between printing roller and part of cloth not to be printed*, e.g., *border*.

25075. Lal Chand. Improvements in or relating to reciprocating pumps. [Addition to No. 22947.] *Inner and outer tubes of plunger together form spacing for split rings.*

25092. James Mills and Co. (Engineers), Ld., and J. F. Bolton. Apparatus for collecting and conveying sludge in connection with sewage plant. (April 2, 1937). *A rank of travelling scoops associated with draw-off pipes, for gathering up the sludge deposited on the floor.*

25117. La Paroi Hydraulique. Improvements in or relating to reinforced concrete tanks. (December 13, 1937). *Concrete wall of the tank provided with channels or porous recesses kept filled with water.*

25179. Kohle und Eisenforschung G. m. b. H. A process for obtaining manganese compound from substances containing manganese. *Treating ores with sulphurdioxide, removing the sulphate and adding fresh charge of ore to convert the ditheonate formed in the first state into manganese sulphate.*

25180. The British Tabulating Machine Co., Ld. Improvements in or relating to accounting or statistical systems. *Code positions for representations comprise magnetisable material.*

25182. J. E. Kennedy. Means for handling and transporting material. *Container with air inlet at top and bottom to discharge material under air pressure.*

25217. J. G. Wakefield. Improvements in or relating to tube wells. (May 11, 1937). *By creating partial vacuum between well casing and water eduction pipe.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23827. Davidson & Co., Ld.
23937. The General Electric Co., Ld.
24052. The Indian Hume Pipe Co., Ld.
24075. The General Electric Co., Ld.
24205. James Mackie & Sons, Ld.
24224. Filtration & Water Softening Proprietary, Ld.
24237. Filtration & Water Softening Proprietary, Ld.
24257. Standard Telephones and Cables, Ld.
24283. Expanded Rubber Co., Ld.
24286. Carkontrol Proprietary, Ld.
24372. I. G. Farbenindustrie Aktiengesellschaft.
24385. Vogel-Jorgensen.
24645. James F. Low & Co., Ld., and Lambert.
24704. The General Electric Co., Ld.
24723. Allmanna Svenska Elektriska Aktiebolaget.
24761. Marconi's Wireless Telegraph Co., Ld.
24873. The British Tabulating Machine Co., Ld.
24875. Wredden.
24989. The British Ropeway Engineering Co., Ld.
25024. Stroher.
25028. Vercruysse and Vercruysse.
25095. Fichtel and Sachs Aktiengesellschaft.
25386. Marconi's Wireless Telegraph Co., Ld.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30 should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23886. Karantha.
23889. N. V. De Bataafsche Petroleum Maatschappij.
23967. Ateliers H. Duesberg-Bosson, Societe Anonyme.
23969. Piacentini.
24098. Das and Das.
24196. Widdas.
24332. Wellesley Holdings, Limited.
24397. Harrison and Marshall Sons and Company (India), Limited.
24404. De Gialluly.
24523. Callender's Cable and Construction Co., Ld. and Hamilton.
24622. Levi.
24626. Watson.
24648. Chick.
24688. Kennedy.
25691. Ahmad Din.
24782. J. F. Haig and Co., Ld. and Haig.
24784. Mitterbiller-Epp.
24796. Paris Crown Seals, Ld.
24801. Marconi's Wireless Telegraph Co., Ld.

Patents Sealed.

23511. Saraswati Industries, Ld.
23512. Saraswati Industries, Ld.
23829. Davidson & Co., Ld.
23836. The General Electric Co., Ld.
23837. Cookson.
23839. Singer.
23902. Shalimar Paint Colour and Varnish Co., Ld.
23903. Shalimar Paint, Colour and Varnish Co., Ld.
24202. Filter Tips, Ld.
24338. Gerrard Industries, Ld.
24411. DePenning.
24424. Bhattacharyya.
24451. Ebell, and Couzin & Attwood (Proprietary), Ld.
24476. The American Rolling Mill Co.
24649. Civil Protection, Ld.
24654. Kershaw and Westinghouse Brake and Signal Co., Ld.
24725. The Franco-British Electrical Co., Ld. and Brackensey.
24736. Marconi's Wireless Telegraph Co., Ld.
24963. I. G. Farbenindustrie Aktiengesellschaft.

Opposition Proceedings.

(I)

The opposition entered by the Chief Controller of Standardization, Central Standards Office for Railways, Railway Board, to the grant of a patent on application No. 23462 made by Mr. A. N. Brogden and notified in Part II of the *Gazette of India*, dated the 25th December 1937, has been allowed in part. The sealing of a patent will be subject to the amendment of the specification.

Copies of the decision may be obtained from the Patent Office, No. 1, Council House Street, Calcutta on payment of Re. 1 per copy.

(II)

The opposition entered by the Chief Controller of Standardization, Central Standards Office for Railways, Railway Board, to the grant of a patent on application No. 23980 made by Mr. D. G. Erskine-Cowper and Mr. W. H. Coburn and notified in Part II of the *Gazette of India*, dated the 29th January 1938, has been allowed in part. The sealing of the patent will be subject to the amendment of the specification.

Registration of Assignments, Licences, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

Nos. 22601, 22929 and 23571. Hopkinsons, Ld.
No. 23127. Douglas Peter Jardine.

Renewal Fees Paid.

PATENTS.

11757. International Harvester Co. (To 19th October 1939).
12677. Standard Telephones and Cables, Ld. (To 25th October 1939).
13277. Uberoi. (To 27th May 1939).
13663. International Harvester Co. (To 12th October 1939).
13696. Standard Telephones and Cables, Ld. (To 17th October 1939).
13764. Ericsson Telephones, Ld. and ors. (To 8th November 1939).
13881. Pontoppidan. (To 8th October 1939).
13885. I. G. Farbenindustrie Akt. (To 19th December 1939).
14727. Godrej. (To 24th August 1939).
14903. Standard Telephones and Cables, Ld. (To 15th October 1939).
16425. I. G. Farbenindustrie Akt. (To 12th November 1939).
16426. I. G. Farbenindustrie Akt. (To 12th November 1939).
16427. I. G. Farbenindustrie Akt. (To 12th November 1939).
16428. I. G. Farbenindustrie Akt. (To 12th November 1939).
17170. Spencer and anr. (To 12th September 1939).
17401. Gresham and anr. (To 16th November 1939).
17449. Weber and anr. (To 10th October 1939).
17499. I. G. Farbenindustrie Akt. (To 27th October 1939).
18287. Stephenson and ors. (To 12th September 1939).
18298. Karim. (To 25th August 1939).
18345. Wakefield. (To 22nd October 1939).
18346. Filtration and Water Softening Proprietary, Ld. (To 29th September 1939).
18349. Standard Telephones and Cables, Ld. and anr. (To 16th October 1939).
18393. Chemische Fabrik Vormals Sandoz. (To 5th October 1939).
18446. Associated Electric Laboratories, Inc. (To 27th October 1939).
18447. Associated Telephone and Telegraph Co. (To 27th October 1939).
18527. I. G. Farbenindustrie Akt. (To 23rd November 1939).
18577. Ehrich and Garetz Aktiengesellschaft. (To 15th December 1939).
18591. I. G. Farbenindustrie Akt. (To 21st December 1939).
19030. Dr. Lilienfeld. (To 4th July 1939).
19243. Prodorite, Ld. (To 24th September 1939).
19267. Mohamedbhoy Abdul Husen and Co. (To 28th September 1939).
19444. I. G. Farbenindustrie Akt. (To 5th December 1939).
20178. Hart and anr. (To 22nd August 1939).
20274. I. G. Farbenindustrie Akt. (To 5th October 1939).
20275. I. G. Farbenindustrie Akt. (To 5th October 1939).
20276. I. G. Farbenindustrie Akt. (To 5th October 1939).
20277. I. G. Farbenindustrie Akt. (To 5th October 1939).
20290. Blumenthal and anr. (To 9th October 1939).
20307. Rotinoff. (To 16th October 1939).
20535. John Ismay and Sons, Ltd. and anr. (To 31st October 1939).
20592. Kork-N-Seal, Ltd. (To 4th October 1939).
21007. Wynn-Williams. (To 19th September 1939).
21116. Ghose. (To 24th August 1939).
21159. Standard Telephones and Cables, Ld. (To 6th October 1939).
21160. Societa Italiana Pirelli. (To 10th September 1939).
21225. The General Electric Co., Ld. (To 10th October 1939).
21229. Dognin Societe Anonyme. (To 1st October 1939).
21328. Henry Simon, Ld. (To 5th November 1939).
21399. International General Electric Co. of New York, Ld. (To 26th November 1939).
22165. Standard Telephones and Cables, Ld. (To 17th October 1939).
22171. Paper Sacks, Ld. and anr. (To 11th September 1939).
22206. Sammons and ors. (To 22nd September 1939).
22245. Mabie Todd and Co., Ld. (To 31st October 1939).
22334. The Expanded Metal Co., Ld. (To 5th November 1939).

Cessation of Patents.

11338. International General Electric Co. Inc.
14037. O'Dell.
14395. Carroll.
14398. Pouchain.
17000. The Geo. L. Squier Manufacturing Co.

18218. Pouchain.
19923. Imperial Chemical Industries, Ld.
19929. Brown and ors.
20880. Marshall.
21727. Gordon.
21842. Rogers and ors.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets :—

Class 13. No. 63571. Konda Srinivas, of Mynateppakulam Lane No. 1, East Gate, Madura (South India). July 20, 1938.

Class 13. No. 63608. The Ahmedabad Manufacturing and Calico Printing Co., Ld., of Ahmedabad, Bombay Presidency, British India. July 26, 1938.

Class 13. Nos. 63626 and 63267. Sha Dwarkadas Dhanji, Mulji Jetha Market, Gaumukh Galli, Bombay 2. August 1, 1938.

Class 13. No. 63628. The New Shorrock Spinning and Manufacturing Co., Ld., of Nadiad (District Kaira), Bombay Presidency, British India. August 1, 1938.

Class 13. Nos. 63630 and 63631. The Ahmedabad Manufacturing and Calico Printing Co., Ld., of Ahmedabad, British India. August 2, 1938.

Class 13. Nos. 63634 and 63635. The New Shorrock Spinning and Manufacturing Co., Ld., of Nadiad (District Kaira), Bombay Presidency, British India. August 5, 1938.

Class 13. Nos. 63636 and 63637. The Mafatlal Fine Spg. and Mfg. Co., Ld., of Navsari, Baroda State. August 5, 1938.

Class 13. No. 63639. Sha Dwarkadas Dhanji, Mulji Jetha Market, Gaumukh Galli, Bombay 2. August 8, 1938.

Class 13. No. 63640. F. Steiner & Co., Ld., of Church, Lancashire, England. August 8, 1938.

Class 13. No. 63642. The Mafatlal Fine Spg. & Mfg. Co., Ld., of Navsari, Baroda State. August 11, 1938.

Class 13. Nos. 63652 to 63657. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. August 16, 1938.

NOTICES

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public:—

A.—Where all publications including printed specifications are available:—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library.
MADRAS	Record Office, Egmore.
Do.	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa.
POONA	Lord Reay Industrial Museum Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON.	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for May 1938.

(In lakhs of Rupees.)

	For May.		To end of May.		Whole year.	
	1937-38.	1938-39.	1937-38.	1938-39.	Revised, 1937-38.	Budget, 1938-39.
Revenue.						
oms	3,58	3,21	7,04	6,35	43,93	
ral Excise Duties	80	81	1,58	1,45	7,74	
oration Tax	..	..	..	..	1,50	
s on Income other than Corporation Tax .	54	49	1,13	1,00	12,12	
. . . .	85	91	1,78	1,72	8,35	
m	2	3	14	17	46	
ways—						
Gross receipts	8,92	9,09	17,90	17,73	99,83	
Deduct—Working Expenses	*5,11*	*5,26*	*10,45*	*10,66*	*64,80*	
Surplus Profits	*10*	*1*	*10*	*1*	*52*	
Payments to worked Lines . .	*30*	*27*	*59*	*53*	*3,02*	
Net receipts . .	3,41	3,55	6,76	6,53	31,49	
Subsidised Companies	..	..	..	..	12	
Miscellaneous Railway Receipts . . .	..	..	..	..	1,11	
s and Telegraphs—Net receipts . . .	—1	3	16	7	1,15	
r heads	23	30	43	65	9,28	
Total .	9,42	9,33	19,02	17,94	1,17,25	
Expenditure.						
way Revenue Account—						
Interest and other charges	26	20	2,97	2,97	29,90	
rest on Debt—Gross	3,19	3,27	8,25	8,26	35,35	
uct—Amount Chargeable to—						
Railways	*16*	*16*	*2,72*	*2,73*	*28,06*	
Irrigation	..	..	..	..	*8*	
Posts and Telegraphs	..	..	..	..	*72*	
Commutation of Pensions	..	..	..	..	*24*	
Salt and other Commercial Departments .	..	..	..	..	*7*	
Provincial Loans Fund	..	..	..	..	..	
Provincial Governments	..	..	..	..	*4,95*	
Net Charges	3,03	3,11	5,53	5,53	1,23	
nce Services (Net)	3,86	3,78	7,44	7,42	47,22	
r heads	1,76	1,92	4,38	4,58	38,90	
Total .	8,91	9,01	20,32	20,50	1,17,25	
enditure not charged to Revenue . . .	39	47	1,01	1,00	2,98	
t Heads—						
Permanent Debt (Net) India	—2	+7,22	—3	+7,21	+92	
Ditto England	—8	—8	—70	—72	—6,85	
Treasury Bills (Net) India	+57	—3,63	+3,03	+6,14	+6,00	
Ditto England	..	..	..	..	..	
Ways and Means Advances (Net) India . .	..	..	..	..	..	
Ditto England . . .	..	..	..	..	..	
Other Debt Head Transactions (Net) . .	—1	—21	—5,57	—5,47	+3,67	
Total .	+46	+3,30	—3,27	+7,16	+3,74	
Total Transactions	+58	+3,15	—5,58	+3,60	+76	
Opening Balance	4,61	11,76	10,77	11,31	8,64	
Closing Balance	5,19	14,91	5,19	14,91	9,40	

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England and ia respectively cancel each other.

NEW DELHI;
ted the 22nd August 1938.

M. SUBRAHMANYAN,
Accountant General, Central Revenues.

CURRENCY NOTES.

NOTICE.

Lahore, the 29th August 1938.

Portions of the following notes of the Lahore Office of Issue are stated to have been destroyed, and payment of their value have been claimed by the persons whose names are shown against the numbers Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
W.D. 11 of 1938.	S-71/805252	100	Mr. Nawal Kishore Rastogi, P. O. Siyana, District Bulandshahr (U. P.)
W.D. 12 of 19 8.	S/83-569708	100	Mr. Bhagwan Das, C/o L. Ram Sarup, Chhatta Nanoo Mal, Patiala.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, LAHORE.

MUL CHAND,
Currency Officer.

STATIONERY AND PRINTING DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 24th August 1938.

No. 1/4/38-A. & F.—Mr. J. B. Jones, Manager, Government of India Forms Press, Aligarh, is granted leave on average pay for one month, with effect from the 12th September 1938.

No. 1/4/38-A. & F.—Mr. Jawahir Khan, Assistant Manager, Government of India Forms Press, Aligarh, is appointed to officiate as Manager, *vice* Mr. Jones, with effect from the 12th September 1938.

C. F. WEAKFORD,
Controller of Printing and Stationery, India.

GOVERNMENT OF INDIA.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATIONS.

Simla, the 26th August 1938.

No. D.-216 (33).—Rao Bahadur D. Sadasivam, B.A. (Madras), B.Sc. (Tech.), (Manch.), A.M.C.T. (Manch.), Deputy Director of Purchase, Indian Stores Department, is granted leave on average pay from the 9th September 1938 to the 24th September 1938, with permission to prefix the closed holiday on the 8th September 1938, and affix Sunday the 25th September 1938.

No. D.-461 (10).—Mr. K. I. N. Iyengar, B.E. (Mysore), A. Amer. I.E.E. (New York), Assistant Engineer (Inspection), Upper India Circle, Indian Stores Department, Lahore, is transferred to the Calcutta Inspection Circle, with effect from the 6th August 1938.

J. S. PITKEATHLY,
Chief Controller of Stores.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATION.

P. O. New Forest (Dehra Dun), the 27th August 1938.

No. 944.—Mr. S. Ramaswami, having resumed charge of his duties as Assistant Minor Forest Products Officer, Forest Research Institute, Dehra Dun, on the forenoon of the 20th August 1938, on return from leave, the unexpired portion of his leave granted in this office Notification No. 179, dated the 26th February 1938, is hereby cancelled.

From the same date the services of Rai Bahadur M. P. Bhola, O.B.E., have been terminated.

L. MASON,
Inspector General of Forests.

GOVERNMENT OF INDIA.

DEPARTMENT OF MINES.

NOTIFICATION.

Dhanbad, the 27th August 1938.

No. 12474-G.—Mr. Gurbachan Singh Jabbi, Assistant Inspector of Mines, has been granted earned leave for 19 days from the 17th August 1938.

W. KIRBY,
Chief Inspector of Mines in India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 3rd September 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE.

NOTIFICATION.

New Delhi, the 29th August 1938.

No. 6504.—Mr. N. L. Dutt, Second Cane Breeding Officer, Coimbatore, is granted leave on average pay for 27 days with effect from 19th September 1938.

B. VISWA NATH,

Director.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

Simla, the 30th August 1938.

No. E. B.-15.—Mr. A. D. Mehta, Assistant Aerodrome Officer, Civil Aerodrome, Juhu (Bombay) is granted earned leave for 21 days with effect from the forenoon of the 1st September 1938 or the date from which it is actually taken.

F. TYMMS,

Director of Civil Aviation in India.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATION.

Simla, the 25th August 1938.

No. 6-An. (a).—Mr. Sri Ram, Deputy Assistant Controller of Army Factory Accounts, Clothing Factory, Shahjahanpore, is granted combined leave pending retirement for 4 months and 16 days, with effect from the 1st September 1938, consisting of privilege leave for one month and 27 days and furlough on half average salary for the remaining period.

No. 6-An. (b).—Mr. M. L. Chowdhury, an accountant in the office of the Deputy Assistant Controller of Army Factory Accounts, Gun and Shell Factory, Cossipore, has been appointed to officiate as a Deputy Assistant Controller of Army Factory Accounts in that office, with effect from the 22nd August 1938.

J. PARLBY,

Military Accountant General.

DEPARTMENT OF EXPLOSIVES.

NOTIFICATION.

Calcutta, the 23rd July 1938.

No. E. 11 (1).—The following list of "Authorised Explosives" which will come into force on the twenty first day of January 1939 and be in substitution for all such lists of an earlier date is published for general information with reference to :—

Rule 4 (3) of Notification No. 4013—33, dated the 6th June 1914, of the Government of India, Department of Commerce and Industry.

Rule 4 (3) of Notification No. 1183, dated the 11th November 1914, of the Chief Commissioner, Central Provinces, applicable to Berar.

Rule 4 (3) of Notification No. 14, dated the 23rd April 1915, of the Resident in Mysore, applicable to the Civil and Military Station of Bangalore and on the Railways in Mysore under British jurisdiction.

Rule 4 (3) of Notification No. 67-J., dated the 28th August 1914, Rule 4 (3) of Notification No. 34-J., dated the 20th April 1915, } of the Resident at Hyderabad applicable to the Cantonments of Secunderabad and Aurangabad, the Hyderabad Residency Bazars and the Railway lands in the Hyderabad State.

Rule 3 (3) of Notification No. 5313, dated the 29th October 1918, of the Agent to the Governor General in Rajputana.

Rule 3 (3) of Notification No. 1812-B., dated the 10th November 1919 of the Agent to Governor General in Central India, applicable to Railway lands in Central India, specified in the Notification of the Government of India in the Foreign Department, No. 261-I. B., dated 10th February 1913.

LIST OF AUTHORISED EXPLOSIVES.

The following explosives are authorised for importation into British India for general sale with effect from 21st January 1939 until further notice :—

CLASS 1.—GUNPOWDER.

The term "gunpowder" means gunpowder ordinarily so-called.

GUNPOWDER.

CLASS 2.—NITRATE-MIXTURE.

The term "nitrate-mixture" means any preparation, other than gunpowder ordinarily so-called formed by the mechanical mixture of a nitrate with any form of carbon or with any carbonaceous substance not possessed of explosive properties, whether sulphur be or be not added to such preparation and whether such preparation be or be not mechanically mixed with any other non-explosive substance, and

includes any explosive containing a perchlorate and not being a chlorate-mixture fulminate or nitro-compound as defined in Rule 4 of the Indian Explosives Rules, 1914.

EVERY BLASTING EXPLOSIVE IN THIS CLASS, IN WHICH NITRATE OF AMMONIUM, NITRATE OF SODIUM OR CHLORIDE OF SODIUM ARE USED AS INGREDIENTS, SHALL BE CONTAINED IN CARTRIDGE WRAPPERS OR CASES (OR IN FIVE-POUND INNER PACKAGES) MADE THOROUGHLY WATERPROOF WITH MELTED PARAFFIN OR OTHR SUITABLE WATERPROOFING MATERIAL.

BOBBINITE.

Cardox Composition.

CLASS 3.—NITRO-COMPOUND.

The term "nitro-compound" means any chemical compound possessed of explosive properties or capable of combining with metals to form an explosive compound, which is produced by the chemical action of nitric acid (whether mixed or not with sulphuric acid) or of a nitrate mixed with sulphuric acid upon any carbonaceous substance, whether such compound is mechanically mixed with other substances or not.

The nitro-compound class has two divisions.

EVERY EXPLOSIVE IN THIS CLASS AND EVERY EXPLOSIVES INGREDIENT THEREOF SHALL BE SO THOROUGHLY PURIFIED AND OTHERWISE OF SUCH CHARACTER AS TO SATISFY A TEST KNOWN AS THE HEAT TEST, AND SPECIFIED IN THE RULE FOR TESTING EXPLOSIVES PUBLISHED WITH GOVERNMENT OF INDIA, DEPARTMENT OF COMMERCE AND INDUSTRY, NOTIFICATION No. 4013—33, DATED THE 6TH JUNE 1914, REFERRED TO ABOVE.

EVERY BLASTING EXPLOSIVE IN THIS CLASS, IN WHICH NITRATE OF AMMONIUM, NITRATE OF SODIUM, CHLORIDE OF SODIUM OR NITRO-GLYCOL ARE USED AS INGREDIENTS, SHALL BE CONTAINED IN CARTRIDGE WRAPPERS OR CASES (OR IN FIVE-POUND INNER PACKAGES) MADE THOROUGHLY WATERPROOF WITH MELTED PARAFFIN OR OTHER SUITABLE WATERPROOFING MATERIAL.

BLASTING EXPLOSIVES IN THIS CLASS MARKED "S" MAY BE SHEATHED ON THE OUTSIDE OF THE CARTRIDGE BUT NOT AT THE ENDS WITH AN APPROVED SHEATHING MATERIAL. THE OUTER WRAPPER OF ANY SHEATHED CARTRIDGE SHALL BE SUFFICIENTLY STRONG TO PREVENT THE ESCAPE OF ANY OF THE SHEATHING MATERIAL WHEN THE CARTRIDGE IS SUBMITTED TO THE JOLTING TEST. IF FIREPROOFING MATERIAL IS USED FOR THE OUTER WRAPPER IT MUST NOT INTERACT IN ANY WAY WITH THE SHEATHING MATERIAL. PROVIDED THAT WHEN BICARBONATE OF SODA IS USED AS A SHEATHING MATERIAL THE CARTRIDGE SHALL BE THOROUGHLY WATERPROOFED WITH PARAFFIN WAX OR A MIXTURE OF CERESINE AND RESIN.

DIVISION 1.

Division 1 comprises the following explosives and any chemical compound or mechanically mixed preparation which consists either wholly or partly of nitro-glycerine or of some other liquid nitro-compound :—

A. I. Rounkol "S"	Nobel Cordite.
A. 2 Monobel	N. S. Gelatine Dynamite.
Ardeer Gelignite.	N. S. Gelignite.
Ballistite.	Nacota Powder.

Blasting Gelatine.
Chilworth Smokeless Powder No. 2.
Cordite.
Cordite, M. D.
Dynobel No. 2.
Gelatine Dynamite.
Gelignite.
Geobel No. 2.
Improved Ballistite.
L. G. Gelatine.
Monobel No. 1.
Polar Ammon Gelatine Dynamite.
Polar Ammon Gelignite.
Polar Dynobel No. 2, "S".
Quarry Monobel.
Rockite.
Samsonita.
Samsonite.
Samsonite No. 3.
Stonobel.
Victor Powder No. 2.
Viking Powder No. 2.

PROVIDED THAT EVERY EXPLOSIVE IN THIS DIVISION SHALL BE OF SUCH CHARACTER AND CONSISTENCY AS NOT TO BE LIABLE TO LIQUEFACTION OR EXUDATION.

PROVIDED ALSO THAT AN EXPLOSIVE WHICH IS REQUIRED BY DEFINITION TO BE ISSUED IN WATERPROOF INNER PACKAGES MAY BE EXEMPTED FROM SUCH REQUIREMENT BY SPECIAL AUTHORITY, WHEN AND SO LONG AS THE CONDITIONS OF SUCH AUTHORITY ARE OBSERVED.

DIVISION 2.

Division 2 comprises the following explosives and any nitro-compound as before defined which is not comprised in division 1 :—

Alumatol. }
Ammonal. }
Amberite No. 2.
Baelenite.
Cyclotrimethylene—Trinitramine, thoroughly purified.
Di-nitro-phenol, commercially pure.
E. C. Sporting Powder.
Empire Powder.
Guncotton.
Light Load Smokeless.
Negro Powder No. 2.
Nobel Rim Neonite.
Picric Acid.
Picric Powder.
Roburite No. 4.
Schultze Gunpowder.
Smokeless Diamond.
Tonite or Cotton Powder No. 1.
Tonite or Cotton Powder No. 2.
Tonite No. 3.
Tri-nitro-toluol, Commercially pure.

CLASS 4.—CHLORATE MIXTURE.

The term "chlorate mixture" means any explosive containing a chlorate.

The chlorate mixture class has two divisions.

EVERY EXPLOSIVE IN THIS CLASS AND EVERY EXPLOSIVE INGREDIENT THEREOF SHALL BE SO THOROUGHLY PURIFIED AND OTHERWISE OF SUCH CHARACTER AS TO SATISFY A TEST KNOWN AS THE HEAT TEST, AND SPECIFIED IN THE RULE FOR TESTING EXPLOSIVES PUBLISHED WITH GOVERNMENT OF INDIA, DEPARTMENT OF COMMERCE AND INDUSTRY, NOTIFICATION No. 4013—33, DATED THE 6TH JUNE 1914, REFERRED TO ABOVE.

EVERY BLASTING EXPLOSIVE IN THIS CLASS, IN WHICH NITRATE OF AMMONIUM NITRATE OF SODIUM OR CHLORIDE OF SODIUM ARE USED AS INGREDIENTS, SHALL BE CONTAINED IN CARTRIDGE WRAPPERS OR CASES (OR IN FIVE-POUND INNER PACKAGES) MADE THOROUGHLY WATERPROOF WITH MELTED PARAFFIN OR OTHER SUITABLE WATERPROOFING MATERIAL.

DIVISION 1.

Division 1 comprises any chlorate preparation which consists partly of nitro-glycerine or of some other liquid nitro-compound.

Nil.

PROVIDED THAT EVERY EXPLOSIVE IN THIS DIVISION SHALL BE OF SUCH CHARACTER AND CONSISTENCY AS NOT TO BE LIABLE TO LIQUEFACTION OR EXUDATION OF NITRO-GLYCERINE.

DIVISION 2.

Division 2 comprises any chlorate mixture as hereinbefore defined which is not comprised in Division 1.

Nil.

CLASS 5.—FULMINATE.

The term "fulminate" means any chemical compound or mechanical mixture, whether included in the foregoing classes or not, which, from its great susceptibility to detonation, is suitable for employment in percussion caps or any other appliances for devolping detonation, or which, from its extreme sensibility to explosion, and from its great instability (that is to say, readiness to undergo decomposition from very slight exciting causes), is especially dangerous.

This class consists of two divisions.

DIVISION 1.

Division 1 comprises, such compounds as the fulminates of silver and of mercury, and preparations of those substances, such as are used in percussion caps; and any preperation consisting of a mixture of a chlorate with phosphorus or certain descriptions of compounds of phosphorus, with or without the addition of carbonaceous matter, and any preparation consisting of a mixture of a chlorate with sulphur, or with a sulphuret, with or without carbonaceous matter.

Nil.

DIVISION 2.

Division 2 comprises such substances as the chloride and the iodide of nitrogen, fulminating gold and silver, diazobenzol, the nitrate of diazobenzol, lead azide and tetrazene.

Nil.

CLASS 6.—AMMUNITION.

The term " ammunition " means any explosive of any of the foregoing classes when the same is enclosed in any case or contrivance, or is otherwise adapted or prepared so as to form a cartridge or charge for small-arms, cannon or any other weapon, or to form any safety or other fuze for blasting or for shells, or to form any tube for firing explosives or to form a percussion cap, detonator, fog-signal, shell, torpedo, war-rocket, or any other contrivance other than a firework.

The term " percussion cap " does not include a detonator.

The term " detonator " means a capsule or case which is of such strength and construction and contains an explosive of the fulminate—explosive class—in such quantity that the explosion of one capsule or case will communicate the explosion to other like capsules or cases.

The ammunition class has three divisions.

DIVISION 1.

Nobel's Safety Electric Fuzes.

Percussion Caps, each consisting of a capsule or case of metal containing of explosive of the 5th (Fulminate) Class, not more than 0·5 of a grain, the said explosive being covered and protected by a coating of tin-foil or other material approved by the Chief Inspector of Explosives in India, and the said capsule or case not containing an anvil; provided that where the proportion of fulminate of mercury in the composition does not exceed 25 per cent., the above limit may be increased to 0·6 of a grain. Provided also that the whole is of such strength and construction that the ignition of one such cap will not ignite other like caps.

Railway Fog-Signals, of such strength and construction, and containing an explosive in such quantity that the explosion of one such signal will not communicate the explosion to other like signals.

Safety Cartridges, consisting of cartridges for small-arms, of which the cases can be extracted from the small arm after firing, and which are so closed as to prevent any explosion in one cartridge being communicated to other cartridges.

Safety Fuze, consisting of fuze for blasting which burns and does not explode, and which does not contain its own means of ignition, and which is of such strength and construction and contains an explosive in such quantity that the burning of such fuze will not communicate laterally with other like fuzes.

DIVISION 2.

Division 2 comprises any ammunition as hereinbefore defined, which does not contain its own means of ignition and is not included in Division 1.

Cartridges for Small Arms other than Safety Cartridges.
Cordeau Bickford.
Cordtex.
Detonating Fuze.
Electric Fuzes.
Electric Primers.
Fuze Lighters.
Instantaneous Fuze.
Quick Match.
Tubes for firing Explosives.

DIVISION 3.

Division 3 comprises any ammunition as hereinbefore defined which contains its own means, of ignition, and is not included in Division 1.

Cartridges for Small Arms which are not Safety Cartridges.

Detonators.

Electric Detonators.

Friction Tubes.

Nobles' Electric Delay Action Detonators.

Percussion Primers.

Tubes for firing Explosives.

CLASS 7.—FIREWORK.

The term "firework" comprises firework composition and manufactured fireworks.

DIVISION 1.

FIREWORK COMPOSITION.

The term "firework composition" means any chemical compound or mechanically mixed preparation of an explosive or inflammable nature, which is used for the purpose of making manufactured fireworks, and is not included in the former classes of explosives, and also any star and any coloured fire composition subject to the proviso to the definition of manufactured fireworks.

Nil.

DIVISION 2.

MANUFACTURED FIREWORKS.

MANUFACTURED FIREWORKS, consisting of any explosive of the classes 1, 2, 3, 4 and 6 and any firework composition, when such explosive or composition is enclosed in any case or contrivance or is otherwise manufactured so as to form a squib, cracker including Chinese crackers, toy cap or amorce, serpent, rocket (other than a war-rocket), maroon, lance, wheel, Chinese fire, Roman candle, or other article specially adapted for the production of pyrotechnic effects, or pyrotechnic signals or sound signals.

Provided that a substantially constructed and hermetically closed metal case, containing not more than one pound of coloured fire composition of such a nature as not to be liable to spontaneous ignition shall be deemed to be a "manufactured firework" and not a "firework composition".

Amorces, whether in the form of toy caps or igniting tapes, containing not more than 70 grains of explosive composition to every 1,000 dots of such composition.

Aluminium Torches.
Electric and other Sparklers. } provided the composition contains no chlorates.
Magnesium Torches.

Chinese Crackers made from a gunpowder or nitrate mixture containing no chlorates.

Distress Signal Rockets.

Explosive Discs. / *Giant Disc Amorces.* } each consisting of a recessed disc, square, or rectangle of cardboard containing a composition in the recess covered with paper and containing not more than 0·4 grains of composition per disc. The discs when packed for conveyance shall be in stout cardboard boxes the material being not less than one-twentieth of an inch thick, each containing not more than twenty-four discs. The discs shall be inserted in perforations in a card-board sheet one-sixteenth of an inch thick attached to the bottom of the box and covered with a layer of sheets of corrugated paper of a total thickness of not less than one quarter of an inch. The size of the box shall be such as to allow not less than three-quarters of a square inch of superficial space per disc. Provided also that not more than 13,824 discs shall be packed together in one outer package and the said outer package shall contain no other fireworks.

Lances, provided the composition does not contain at the same time chlorates and sulphur or sulphides or aluminium.

Maroons made from a gunpowder or nitrate mixture containing no chlorates.

Pyrotechnic Matches.

Rockets. / *Roman Candles.* / *Wonder Candles.* } made from a gunpowder or nitrate mixture containing no chlorates and provided the stars do not contain at the same time chlorates and sulphur, or sulphide or aluminium and stars containing a chlorate are separated from contact with the gunpowder or nitrate mixture.

Serpents made from a gunpowder or nitrate mixture containing no chlorates

Socket Light Signals.

Socket Distress Signals.

Socket Sound Signals.

Squibs made from a gunpowder or nitrate mixture containing no chlorates.

Very Signal Cartridges.

Wheels containing no chlorates.

G. PEACE, F.I.C., F.R.A.S.,

Chief Inspector of Explosives in India.

SITE PLAN

OF

HOUSES OF WHICH MATE[illegible]
IS TO BE ACQUIRED FOR GIRDHARI SINGH HIGH SCHOOL

IN

MOHALLA ASHRAFABAD

LUCKNOW

SCALE 82 FEET TO AN INCH

=AREA OF LAND=

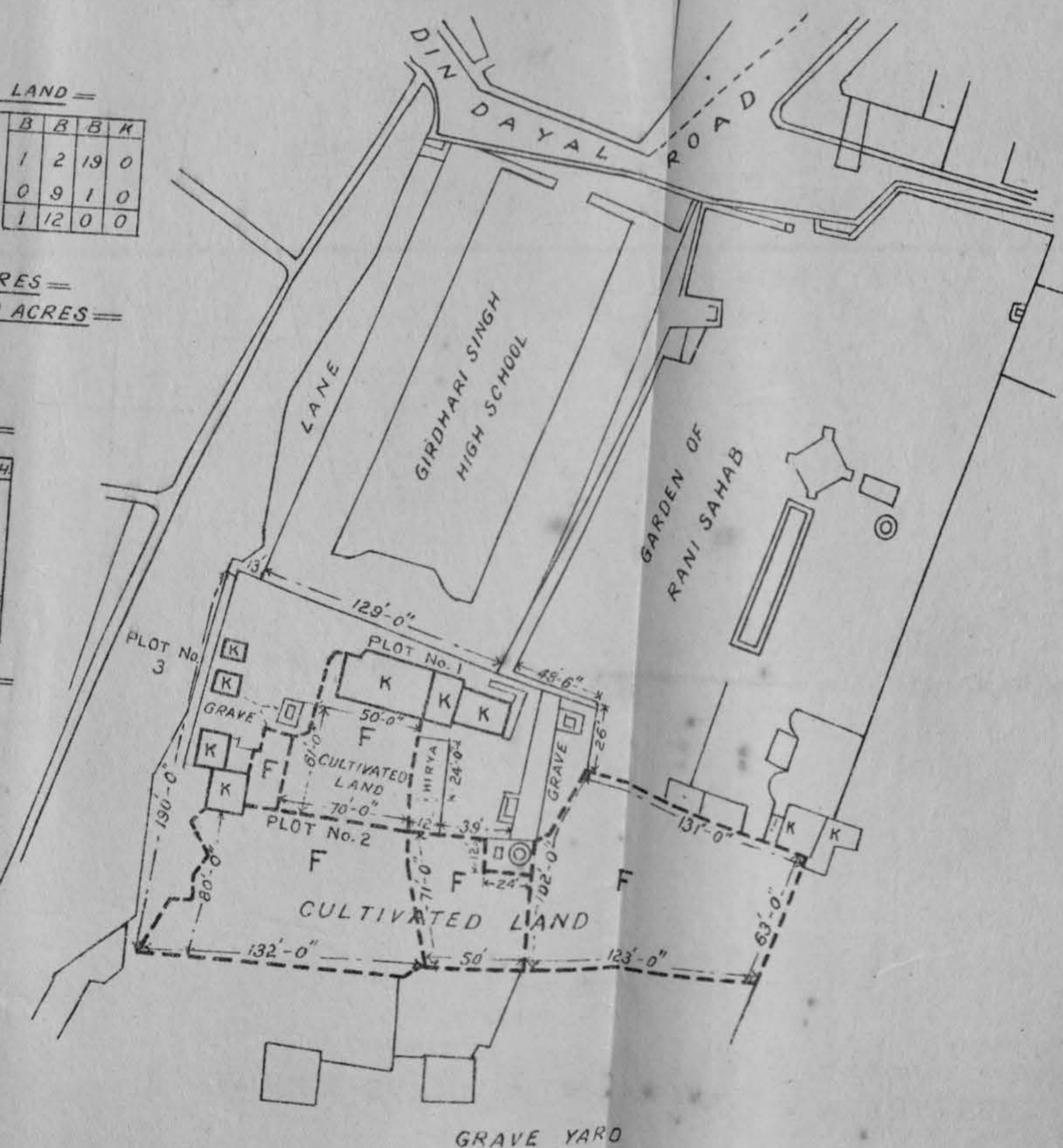
	B	B	B	K
CULTIVATED LAND	1	2	19	0
UNCULTIVATED LAND	0	9	1	0
TOTAL OF LAND	1	12	0	0

=TOTAL OF AREA IN ACRES=
=1·00 ACRES=

=AREA OF PLOTS (K)=

		BIG.	BIS.	BIS.	KALH.
1	PLOT No. 1	-	1	7	12
2	PLOT No. 2	-	1	-	10
3	PLOT No. 3	-	-	12	9
	TOTAL OF LAND	-	3	0	11

=TOTAL OF AREA IN ACRES=
=·09 ACRES=



INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 22nd August 1938.

No. 8702/2-E./11-C. T.—Mr. S. K. Dhar, B.A. (Cal.), B.Com. (Lond.), Income-tax Officer, Tippera-Noakhali, is allowed under Fundamental Rule 81 (b) (ii) an extension of leave on average pay for 8 days, with effect from the 9th July 1938, with permission to affix Sunday the 17th July 1938 to it.

S. N. BANERJEA,

Commissioner of Income-tax, Bengal.

GOVERNMENT OF THE UNITED PROVINCES.

Education Department.

NOTIFICATION.

MISCELLANEOUS.

Allahabad, the 29th July 1938.

No. F.-531/XV-879/1935.—In supersession of this Government Notification No. F.-209, dated March 18, 1937, published at page 791, Part I of the United Provinces Gazette dated April 17, 1937, the agreement printed below which has been entered into by the Managing Committee of the Girdhari Singh, High School, Lucknow, in accordance with the provisions of Part VII of the Land Acquisition Act, 1894 (I of 1894) as amended by the Land Acquisition Amendment Act 1923 (XXXVIII of 1923) is hereby published for general information under section 42 of the said Act.

AGREEMENT.

An agreement made this 16th day of July 1938, between the Governor of United Provinces (hereinafter called "the Governor") of the one part and the Girdhari Singh High School Managing Committee, Lucknow, a Society registered under the Societies Registration Act, 1860 (hereinafter called the "Society") of the other part.

Whereas the Society has made an application to the Government of the United Provinces of Agra and Oudh (hereinafter called the Provincial Government) to acquire for the purposes of the Society under the provisions of the Land Acquisition Act, 1894, the plots of land shown on the plan hereto attached and whereas the said Government is satisfied that the Society is a Company within the meaning of Section 3(e) of the said Land Acquisition Act and whereas the Provincial Government after making and holding such inquiry as is required and prescribed by law is satisfied that the acquisition of the said plots of land is needed for laying out a playground for the Girdhari Singh High School, Lucknow, and that such work is likely to prove useful to the public and whereas under Section 41 of the said Land Acquisition Act it is necessary that the Society should enter into an agreement with the Governor regarding the matters specified in the said section. Now these presents witness and the parties hereto agree and declare as follows:—

(1) That the Society will pay to the said Provincial Government or to such person or persons as the Provincial Government may appoint in this behalf all such sum or sums of money as shall be awarded under the provisions of the said Land Acquisition Act as compensation to any person or persons who may be found on inquiry held as therein provided to be interested in the said plots of land and buildings.

(2) That the Society will pay from its funds to the Provincial Government the charges of and incidental to acquisition of the said plots of land and buildings thereon under the provision of the said Land Acquisition Act.

(3) That upon the Society having made the payments mentioned in the first and second clauses hereof, the Governor will forthwith, in consideration of such payments convey and grant to the Society the said plots of land with buildings thereon containing by measurement 09 acre in Pargana Lucknow, Mohalla Asharfabad, District Lucknow and shown on the plan annexed hereto, free from all encumbrances and occupancy rights, and together with all rights, easements and appurtenances thereto belonging or enjoyed therewith to hold the said plots of land and houses to the Society for ever subject to the conditions hereinafter set forth namely:—

(a) That the Society will perpetually hold and use the said plots of land and houses as a playground and for constructing such other buildings as may be necessary for the educational, moral, physical and technical training of the students of the Girdhari Singh High School, Lucknow, and, except with the previous sanction in writing of the said Government for no other purpose.

(b) That the Society will, within one year from the date of being put in possession of the said plots of land, lay out the playground and shall maintain the same at its own expense.

(c) That the public shall be allowed the benefit of the playground and such buildings as may be constructed on the said plots in accordance with the rules of the Society now in force or hereafter to be made by it and the Society will not alter its existing rules in such a manner as to restrict the use of the playground by the public to any degree beyond the restrictions now in force.

(d) That if the Society shall commit a breach of any of the covenants by the Society herein contained, it shall be lawful for the Governor to re-enter upon the said plots of land or any part thereof in the name of the whole and take the same for his own use and thereupon and from that date the transfer in favour of the Society shall become null and void and of no effect and the said plots of land with all buildings and other works thereon, shall vest in His Majesty for the purpose of the Government of the United Provinces and the Society shall not be entitled to any compensation therefor.

Provided always and it is hereby agreed, that whenever such an interpretation would be requisite in order to give the fullest scope and effect legally possible to any covenant or contract herein contained, the expression "the Governor" hereinbefore used shall include his successors and assigns and the expression "the Society" hereinbefore used includes its successors and assigns.

In witness whereof the parties have hereto set hands the day and year first above written.

Witness 1. (Sd.) PRATAP KRISHNA, B.Sc.,
17, Newaz Ganj, Lucknow.

Witness 2. (Sd.) ABINASH SHANKAR,
Nazirabad, Lucknow.
2-5-36.

Witness 1. (Sd.) G. B. JOSHI,
16-7-38.

C. A. Education Department,
Civil Secretariat, Lucknow.

Witness 2. (Sd.) G. B. SAKSENA,
16-7-38.

Assistant, Civil Secretariat,
Industries Department,
United Provinces, Lucknow.

(Sd.) BHAWANI SHANKAR,
Honorary Manager,
Girdhari Singh High School, Lucknow.

P. M. KHAREGAT,
Secretary to Government, United Provinces,
Education Department.

The 16th July 1938.

Schedule of the land proposed to be acquired for Girdhari Singh High School, Lucknow.

Name of City.	Mohalla.	Area of Land.	Boundary.	Purpose.
Lucknow	Asharfabad	·09 Acre	*North*—Girdhari Singh High School, Lucknow. *South*—Grave Yard. *East*—Garden of Rani Saheba. *West*—Nala.	For Playground.

Witness—

1. ABINASH SHANKAR,
Nazirabad,
Lucknow.

Witness—

2. HARNAM SHANKAR,
Nazirabad,
Lucknow.

BHAWANI SHANKAR,
Honorary Manager,
Girdhari Singh High School, Lucknow.

P. M. KHAREGAT,
Secretary to Government,
United Provinces,
Education Department.

The 16th July 1938.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 25th August 1938.

No. A. E. 780-I.—Mr. J. F. Muncherjee, officiating Superintendent, Senior Scale, Mechanical Engineering and Transportation (Power) departments reverted to his substantive appointment of Assistant Superintendent, Junior Scale, with effect from the forenoon of 1st August 1938 and was again appointed to officiate as Superintendent, Senior Scale, with effect from the forenoon of the 23rd August 1938.

No. A. E. 780-II.—Mr. C. J. Hall, Assistant Superintendent, Junior Scale, Mechanical Engineering and Transportation (Power) departments on return from leave has been appointed to officiate as Superintendent, Senior Scale in that department, with effect from the 1st August 1938 forenoon.

No. A. E. 780-III.—Mr. P. N. Mubayi, Executive Engineer, Junior Scale, has been appointed to officiate as Superintendent, Senior Scale, Staff with effect from the 13th July 1938 forenoon.

No. A. E. 780-IV.—Mr. K. B. Mathur, Assistant Superintendent, Junior Scale, Transportation (Traffic) and Commercial departments on return from leave has been appointed to officiate as Superintendent, Senior Scale in that department, with effect from the 6th July 1938 forenoon.

J. A. BELL,

General Manager.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 18th August 1938.

No. 85.—Mr. A. Cornish, Officiating Chief Mechanical Engineer, is granted leave (out of India) preparatory to retirement for 2 years, 1 month and 17 days, *viz.*, leave on average pay for 4 months and 13 days and on half average pay for 1 year, 9 months and 4 days, with effect from 15th September 1938, or subsequent date of relief to 31st October 1940.

Lahore, the 22nd August 1938.

No. 86.—Mr. H. R. Gilbert, Junior Assistant Commercial, is granted an extension of leave on average pay for one month, with effect from 11th September 1938, in continuation of the leave already granted to him under this office Notification No. 64, dated 26th May 1938.

Lahore, the 26th August 1938.

No. 87.—Mr. E. P. Gildea, Divisional Mechanical Engineer, is granted leave (out of India) for 6½ months, *viz.*, leave on average pay for 4 months and on half average pay for the remaining period, with effect from 12th October 1938, or subsequent date of relief.

J. MACKINNON,

General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 23rd August 1938.

No. 21620-S.-2194.—Mr. N. M. Thadani, Assistant Executive Engineer (Junior Scale), has been appointed to officiate in the Senior Scale, with effect from 25th June 1938.

Mr. U. Dattatraya, Assistant Traffic Manager (Lower Gazetted Service), has been appointed to officiate in the Senior Scale, with effect from 3rd July 1938.

J. H. F. RAPER,

General Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, SEPTEMBER 10, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 10th September 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

August 29, 1938.

25609. F. L. Smidth & Co. A/S. Improvements in the preparation of cement raw materials.

25610. J. C. Seailles and W. R. G. Dyckerhoff. Process for recovering alumina. (August 2, 1938).

25611. E. I. du Pont de Nemours and Co. Method of, and apparatus for, isolating minerals. [Addition to No. 24525].

25612. W. Hachtel. Curtain rods of the "railway" type and method for producing the same.

25613. W. Hachtel. Improvements in curtain rods and suspenders.

25614. Engineering Research Corporation. Electrical apparatus and methods for structure studies and the location of oil, natural gas and other minerals.

25615. British Insulated Cables, Ld. Fire resisting compositions for coating or impregnating textile materials (September 23, 1937).

25616. E. I. Du Pont De Nemours and Co. Improvements in electrical insulation. (May 27, 1938).

25617. Wired Radio, Inc. Improvements relating to wired radio service system.

25618. Darco Corporation. Improvements in or relating to process of revivifying activated carbon.

25619. The Dorr Co., Inc. Combined clarifier and flocculating apparatus.

August 30.

25620. Hannoversche Maschinenbau-Actien-Gesellschaft vormals George Egestorff (Hanomag). A method for operating air-compressing four stroke cycle internal combustion engines for dust fuel.

25621. M. Noormohamed. A new method of manufacturing articles such as dolls, toys, etc. composed of celluloid or like substances or of metal sheets.

25622. The General Electric Co., Ld. Improvements in electric discharge lamps. (September 28, 1937).

25623. The General Electric Co., Ld. Improvements in auxiliary electrodes in electric discharge devices. (November 15, 1937). [Addition to No. 25534].

25624. The General Electric Co., Ld. Improvements in or relating to auxiliary electrodes in electric discharge devices. (February 21, 1938). [Addition to No. 25534].

25625. B. Maisant. Cocoanut fibre retting methods.

25626. B. Shantilal. Automatic locking device for electric lamps of bayonet cap type.

August 31.

25627. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of water-insoluble azo-dyestuffs containing metal on the fibre. (September 7, 1937).

25628. Standard Telephones and Cables, Ld. By-pass apparatus for signalling systems in which carrier current signalling is effected over traffic control circuits. (September 24, 1937).

25629. The General Electric Co., Ld. Improvements in or relating to apparatus for transmitting television and the like. (September 13, 1937).

25630. The Linde Air Products Co. Improvements in electric welding apparatus. (July 28, 1938).

25631. The Linde Air Products Co. Improvements in or relating to electric welding. (August 3, 1938).

25632. The General Electric Co., Ld. Improvements in circuits arrangements for operating high-pressure mercury-vapour discharge lamps.

25633. The General Electric Co., Ld. Improvements in or relating to electric circuits supplying electric discharge devices.

September 1.

25634. A. N. Rao and S. N. Gundu Rao. Activated carbon from bagasse (Decol).

25635. D. N. Chakraborty. Improvements in or relating to rotary pumps for lifting liquid.

25636. Mrs. E. M. Gill. Improved method of and means for preventing derailment of railway trains. [Divisional Date June 13, 1938.]

25637. The Tata Iron & Steel Co., Ld. Improved process of galvanising sheets.

25638. Prof. Dr. L. Ubbelohde. Process for the improvement of staple fibres. (March 12, 1938).

25639. A. F. Fekete. Improvements in or relating to inductive heating with low frequency.

September 2.

25640. Telephone Manufacturing Co., Ld. Improvements in and relating to radio receiving apparatus. (September 2, 1937).

25641. P. V. Hattangdi. An improved process for production of stereoscopic cinematographic films for projection of stereoscopic movies. [Addition to No. 25521].

25642. Wasan & Co. Top laceless foot ball.

25643. P. C. Mitra. Improvements in or relating to the tipping of match sticks with chemical composition at their ends.

25644. G. Bradshaw. Improvements in or relating to screws. (September 3, 1937).

Alteration of date.

(I)

24480. The claim to priority date 2nd October 1936 has been altered to 24th March 1937.

(II)

24576. The claim to priority date 30th October 1936 has been abandoned and the application, dated as of 29th October 1937, the date of filing in India.

(III)

24594. The claim to priority date 2nd November 1936 has been disallowed and the application dated as of 1st November 1937, the date of filing in India.

(IV)

24694. The claim to priority date 4th December 1936 has been disallowed and the application dated as of 3rd December 1937, the date of filing in India.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24178. Dr. R. Maier. Process and apparatus for vaporising or gasfying metals and other substances difficult to vaporise (June 8, 1937). *Rapidly heating individual drops chiefly by radiant heat to a temperature at or above the boiling point of the substance.*

24394. J. Brandwood. Improvements in or relating to the dyeing or analogous fluid treatment of textile fibres. *Winding fibres upon a tubular holder having fitted thereupon a permeable fabric sleeve.*

24480. Preservators Limited and A. Ryner. Improvements in or relating to the impregnation of paper or other materials, more especially for the protection of vegetable and animal goods during storage. (March 24, 1937). *Coating substance adapted to evolve an alkaline gas in presence of carbon dioxide.*

24492. Travancore Minerals Company, Ld. Improvements in and relating to magnetic separators. (June 26, 1937). *Two rectangular frame members each provided at its four corners with a pole piece.*

24493. Radio Corporation of America. Improvement in apparatus for and method of recording sound on film. *Push-pull variable density record by penumbra method.*

24576. The General Electric Co., Ld. Improvements in or relating to combinations of electric discharge devices with material adapted to be excited to luminescence by the radiation therefrom. *Luminescent material in presence of oxygen.*

24594. The General Electric Co., Ld. Improvements in thermionic electrodes. *Rod in helix heated after filling it with paste.*

24683. Crompton Parkinson, Ld. Improvements in and relating to metallic vapour discharge lamps. (December 1, 1936). *Finely divided electron emissive material distributed in the region of the discharge.*

24694. The General Electric Co., Ld. Improvements in or relating to high-pressure metal vapour electric discharge devices. *Three independent adjacent electrodes.*

24702. Gardiners' Conveyors, Ld. Improvements in or relating to milling machinery. (December 11, 1936). *Thin strip of flexible metal scraping elements pivotally disposed parallel to the associated roller.*

24804. Osterreichische Glasfabriken Und Raffinerien Josef Inwald A. G. Improved method of manufacturing light diffusing glass articles. (February 5, 1937). *Frosting glass by applying a layer of small grains of glass and heating the coated surface to fuse the grains to the surface.*

24839. Maschinenfabrik Esslingen. Improvements in or relating to the manufacture of blocks composed of compressed carbon dioxide snow. *Two generating chambers, pistons of which are coupled to the piston of an actuating and measuring cylinder.*

24992. International General Electric Co. Inc. Improvements in or relating to dynamo-electric machines. *Arcuate magnetic material pole face having a plurality of threaded projections secured in circumferentially spaced relation.*

25086. S. C. Ghosh, Improved oven for baking bread and the like. *Compartments surrounding a tubular chimney which is partially covered with heat insulating means.*

25119. The General Electric Co., Ld. Improvements in or relating to electric discharge lamps containing luminescent materials. (April 12, 1937). *Neon lamp with luminescent material excitable by electrons having energy of 20 electron volts.*

25207. O. Weber. Improvements in or relating to the treatment of sea-slime and like slimy material to enable it to be transported. *Firstly dehydrated into a pulp and mixed afterwards with non or slightly absorptive and finely grained substances.*

25239. James A. Jobling & Co., Ld. Improvements relating to cooking utensils. (October 20, 1937). *Cooking vessel provided with a lug designed for seizure by jaws of a detachable handle.*

25243. The British India Corporation, Ld. An improved composition board and method of manufacture thereof. *Outside covering of leather splits and interior filler of spent tan with leather shavings.*

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23866. Bakelite, Ld.
23897. Elektro-Thermit G. m. b. H.
23916. Whitelegg & Rogers, Ld.
23922. Edeleanu-Gesellschaft m. b. H.
24007. Willis.
24053. Alma Motor Co.
24184. Woodard.
24244. Sett.
24395. Roés.
24454. Mehta and Jolly.
24539. Joseph Crosfield and Sons, Ld.
24555. Winmill and Kirwan.
24564. Reklamaktiebolaget Epok.
24598. Marconi's Wireless Telegraph Co., Ld.
24602. Mountstephen, Wood and Spence.
24623. Bjorck.
24664. Executors of James Mills, Ld.
24781. Society of Chemical Industry in Basle.
24789. Universal Oil Products Co.
24808. Blakemore and The Lancashire Metal Subliming Corporation, Ld.
24809. N. V. De Bataafsche Petroleum Maatschappij.

Patents Sealed.

23570. Kadenacy and Armstrong Whitworth Securities Co. Ld.
23580. Jarry.
23717. Johnston.
23850. Allmanna Svenska Elektriska Aktiebolaget.
23873. Singha.
23882. Standard Telephones and Cables, Ld.
23884. Standard Telephones and Cables, Ld.
23938. Schmidt.
23958. The Metal Box Co., Ld.
24042. The General Electric Co., Ld.
24309. Ruhrchemie Aktiengesellschaft.
24362. I. G. Farbenindustrie Aktiengesellschaft.
24380. Metallic Manganese Co., Ld.
24455. Das and Das.
24465. Metropolitan-Vickers Electrical Co., Ld.
24501. Mechanite Metal Corporation.
24503. Seri Holding S. A.
24513. Martins.
24551. Dr. Schilling.
24571. Weiss and (Mrs.) Von Reich.
24666. International General Electric Co. of New York, Ld.
24680. Universal Oil Products Co.
24706. Carp's Handelsbureau Voor Aviatiek & Scheepszaken N. V.
24713. Mhaswadkar.
24717. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny & Cirey.
24735. De Waal.
24767. Marconi's Wireless Telegraph Co., Ld.
24768. Marconi's Wireless Telegraph Co., Ld.
24797. Raz.
24805. Whitelegg and Whitelegg & Rogers, Ld.

Registration of Assignments, Licenses, etc.

Assignments, licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

No. 19029. Reginald Lawford Sharpe.
No. 23819. Eugen Vogel.

Renewal Fees Paid.

PATENTS.

10669. National Malleable and Steel Castings Co. (To 29th September 1939).
10670. National Malleable and Steel Castings Co. (To 29th September 1939).
11447. Uberoi. (To 4th July 1939).
11778. Wilson (To 28th October 1939).
11784. Scottish Dyes, Ld. (To 1st November 1939).
11786. Compagnie Generale Des Conduites d'Eau. (To 28th October 1939).
12620. Lindman. (To 4th October 1939).
13597. The Firm Hermann Nier. (To 10th September 1939).
13727. Buchli. (To 26th October 1939).
14008. Roeckner. (To 30th January 1940).
14009. Roeckner. (To 30th January 1940).
14826. I. G. Farbenindustrie Aktiengesellschaft. (To 21st September 1939).
14827. I. G. Farbenindustrie Aktiengesellschaft. (To 21st September 1939).
15324. Standard Oil Development Co. (To 1st October 1939).
16194. Pulp Industries, Ld. (To 14th November 1939).
16343. Freyssinet and anr. (To 21st October 1939).
16345. Ferric Engineering Co. (To 21st October 1939).
16346. Ferric Engineering Co. (To 21st October 1939).
16348. The Symington Co. (To 21st October 1939).
16411. Lefebure. (To 12th November 1939).
16450. Braithwaite & Co. Engineers, Ld. (To 18th November 1939).
17017. L. Gardner and Sons, Ld. and Ors. (To 12th October 1939).
17100. L. Gardner and Sons, Ld. and Ors. (To 12th October 1939).
17441. I. G. Farbenindustrie Aktiengesellschaft. (To 9th October 1939).
17500. I. G. Farbenindustrie Aktiengesellschaft. (To 27th October 1939).
18409. Holzwarth. (To 6th October 1939).
18420. Gresham. (To 16th October 1939).
18465. Braithwaite and Co. Engineers, Ld. (To 2nd November 1939).
18496. Rose and anr. (To 14th November 1939).
18597. J. Stone and Co., Ld. (To 3rd February 1940).
18598. J. Stone and Co., Ld. (To 14th February 1940).
19170. Hills. (To 5th September 1939).

19186. Hermann Nier. (To 10th September 1939).
19262. Cutting. (To 27th September 1939).
19272. Rose and anr. (To 1st October 1939).
19289. Wassmuth Kurth and Co. Aktiengesellschaft. (To 17th October 1939).
19325. I. G. Farbenindustrie Aktiengesellschaft. (To 24th October 1939).
19499. Small. (To 19th December 1939).
19620. Associated Electrical Industries, Ld. (To 17th February 1940).
19773. Hills. (To 5th September 1939).
20200. Subrahmanya Iyer. (To 29th August 1939).
20215. Mushtaq Ali Khan. (To 4th September 1939).
20218. The National Type Foundry and Anr. (To 5th September 1939).
20247. Mushtaq Ali Khan. (To 20th September 1939).
20291. International De Lavaud Manufacturing Corporation, Ld. (To 9th October 1939).
20292. International De Lavaud Manufacturing Corporation, Ld. (To 9th October 1939).
20293. International De Lavaud Manufacturing Corporation, Ld. (To 9th October 1939).
20336. Nielsen. (To 30th October 1939).
20350. International De Lavaud Manufacturing Corporation, Ld. (To 30th October 1939).
20608. International Anemostat Holding Co., Ld. (To 19th September 1939).
21180. Abadie. (To 17th September 1939).
21305. Seailles. (To 29th October 1939).
21354. E. I. du Pont de Nemours and Co. (To 12th November 1939).
21365. Schering-kahlbaum Aktiengesellschaft. (To 22nd December 1939).
21603. J. Stone and Co., Ld. (To 26th February 1940).
21617. Metropolitan-Cammell Carriage & Wagon Co., Ld. (To 22nd September 1939).
21640. Pestarini and another. (To 11th February 1940).
21641. Pestarini and anr. (To 11th February 1940).
21642. General Railway Signal Co. (To 11th February 1940).
22363. Imperial Chemical Industries, Ld. (To 23rd November 1939).

Cessation of Patents.

11379. International General Electric Co., Inc.
14429. Vazeane Process Inc.
15810. Marsden and anr.
17016. Seiferth.
19960. Radio Corporation of America.
19965. Rogers.
19974. Doyle.
19977. Aay.
20728. Brown and ors.
20835. Ray.
20898. Marchaut.
20904. The Indian Industrial Co., Ld.
20908. Bird & Co.
21688. Aladdin Industries, Ld.
21851. Main.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section. 78-A of the Act is shown in crescent brackets :—

Class 3. No. 63586. The Dunlop Rubber Co (India), Ld., of 57-B, Free School Street, Calcutta, British India. July 25, 1938. (Reciprocity Date January 28, 1938.)

Class 3. No. 63633. The India Rubber Goods Manufacturing Co., of 47, Muraripuker Road, Calcutta, British India. August 3, 1938.

Class 3. No. 63643. The Dunlop Rubber Co. (India), Ld., of No. 57-B., Free School Street, Calcutta, British India. August 12, 1938. (Reciprocity Date February 15, 1938).

Class 11. No. 63355. Hari Prosanna Basu, Proprietor of The Bengal Hat Manufacturing Co., 6A, Sanaton Sil Lane, Calcutta, British India. June 1, 1938.

Class 13. Nos. 63504 and 63505. Sha Dwarkadas Dhanji, Mulji Jetha Market, Gaumukh Galli, Bombay 2. July 2, 1938.

Class 13. Nos. 63650 and 63651. Chotalal Ravicarandas & Co., of 42/44, Champagali, Bombay 2. August 15, 1938.

Class 13. No. 63658. F. Steiner & Co., Ld., of Church, Lancashire, England. August 16, 1938.

Class 13. Nos. 63659 to 63664. The New Shorrock Spinning and Manufacturing Co. Ld., Nadiad (District Kaira), Bombay Presidency, British India. August 19, 1938.

Class 13. No. 63665. The Standard Mills Co. Ld. of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. August 19, 1938.

Class 13. No. 63666. The Standard Mills Co., Ld. of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. August 19, 1938.

Class 13. Nos. 63667 and 63668. The Shree Niwas Cotton Mills, Ld., of Delisle Road, Bombay 13. August 19, 1938.

Class 13. Nos. 63669 to 63672. The Shree Niwas Cotton Mills, Ld., of Delisle Road, Bombay 13. August 19, 1938.

Class 13. No. 63674. The Indian Bleaching, Dyeing & Printing Works, Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. August 20, 1938.

Class 14. Nos. 63580 and 63584. The Indian Bleaching, Dyeing & Printing Works, Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. July 22, 1938.

Class 14. No. 63618. The Standard Mills Co., Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. July 30, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of the entry is the date of registration of the designs included in the entry :—

Class 1. No. 40371. Josef Walter, of 27, Dominikanergasse, Modling bei Vienna, Austria. March 19, 1929. (Reciprocity Date—December 4, 1928).

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library.
MADRAS	Record Office, Egmore.
Do.	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa.
POONA	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON.	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Bombay, the 30th August 1938.

A portion of the following note of the Bombay Office of Issue is stated to have been destroyed, and payment of its value has been claimed by the person whose name is placed against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
D 19 of 1938	T/19-792051	100	Mr. Gulabchand Maganlal Shah, Motikanta, opposite Mumbadevi Bombay, 2.

Bombay, the 2nd September 1938.

Portions of the following notes of the Bombay Office of Issue are stated to have been destroyed, and payment of their value has been claimed by the persons whose names are placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register Nos.	Number of Notes.	Value.	Name of claimant.
		Rs.	
D 20 of 1938	S/79-357241	100	Mr. Morarji Jethabhai Shah, C/o Chaturbhuj Jethabhai & Co., 27, Chinch Bunder Road, Bombay, No. 9.
D 21 of 1938	SD/39-12391	100	Mr. Abdul Hafiz, s/o Abdul Razak, Baker and Confectioner, C/o L. P. Vaish, Assistant Master, A. V. M. School, Khandwa, C. P.
	SD/39-74391	100	
	SD/40-18318	100	
	SD/61-55632	100	
	SD/62-69758	100	
	SD/62-93733	100	
	WD/23-01564	100	

V. G. DESHMUKH,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, BOMBAY.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 2nd September 1938.

No. 111-P.—The services of 4th Class Assistant Surgeon C. W. McNamara, I.M.D., are placed at the disposal of the Agent, North Western Railway for railway employment, with effect from the 6th August 1938.

No. 114-P.—The services of 2nd Class Assistant Surgeon C. E. Watts, I.M.D., are placed at the disposal of the Government of Burma for employment as Manager, Medical Store Depot, Rangoon, with effect from the 5th August 1938.

No. 115-P.—The services of 1st Class Assistant Surgeon D. D. Stidston, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 14th August 1938 (forenoon).

N. M. WILSON,

Major-General, I.M.S.,

Director-General, I.M.S.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATIONS.

Simla, the 31st August 1938.

No. E. B.-15.—Mr. F. H. Rowan, Aircraft Inspector in the Civil Aviation Directorate, is granted leave on average pay out of India for a period of 5 months and 15 days, with effect from the afternoon of the 16th August 1938.

New Delhi, the 3rd September 1938.

No. E. B.-15.—The following transfers have been made:—

Name and Designation of officer.	Date of relief.	Station to which transferred.
Mr. M. N. Ghosh, Assistant Aerodrome Officer, Office of the Chief Aerodrome Officer, Civil Aviation Directorate, Drigh Road.	30th June 1938 (Afternoon).	Allahabad.
Mr. P. S. Warrier, Assistant Aerodrome Officer, Civil Aerodrome, Allahabad.	13th July 1938 (Forenoon).	Dum Dum.
Mr. D. S. Jung, Assistant Aerodrome Officer, Civil Aerodrome, Dum Dum.	23rd July 1938 (Forenoon).	Karachi Air Port. (Aerodrome Officer's Office).
Mr. S. C. Sen, Assistant Aerodrome Officer, Office of the Aerodrome Officer, Karachi Air Port, Drigh Road.	9th August 1938 (Forenoon).	Karachi Air Port. (Office of the Chief Aerodrome Officer).

No. E. B.-15 (i).—Mr. E. Sequeira, Assistant Aerodrome Officer, Office of the Aerodrome Officer, Karachi Air Port, Drigh Road, is granted earned leave for 10 days, with effect from the forenoon of the 22nd August 1938, and posted to Jacobabad as Assistant Aerodrome Officer-in-Charge on the expiry of his leave.

No. E. B.-15 (ii).—In continuation of this office Notification No. E. B.-15, dated the 23rd August 1938, Mr. L. K. Dey, Assistant Aerodrome Officer, Jacobabad, is posted to the office of the Aerodrome Officer, Karachi Air Port, Drigh Road, on the expiry of his leave.

F. TYMMS,

Director of Civil Aviation in India.

GOVERNMENT OF INDIA.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATION.

Simla, the 6th September 1938.

No. D.-542 (1).—Mr. S. R. Das, M.Sc. (Cal.), Assistant Chemist, Government Test House, Indian Stores Department, Alipore, Calcutta, was granted leave on average pay, from the 16th July 1938 to the 31st August 1938.

J. S. PITKEATHLY,

Chief Controller of Stores.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Return of the Rupee Debt of the Central Government of India for 30th June 1938.

[Thousands of Rupees]

PUBLIC DEBT BEARING INTEREST.

Particulars.	Date of issue.	Conditions of Repayment.	Amount outstanding.	TOTAL.
			Rs.	Rs.
TREASURY BILLS	..	....	45,12,00	
WAYS AND MEANS ADVANCES.	..	....	..	
POST OFFICE CASH CERTIFICATES.	..	....	59,47,89	
POST OFFICE SAVINGS BANK DEPOSITS.	..	....	80,24,87	
PROVIDENT FUNDS AND OTHER UNFUNDED DEBT.	..	....	94,99,77	2,79,84,53
TERMINABLE LOANS—				
5½% Loan, 1938-40	1st Oct. 1932	On or before 1st October 1940, but not preceding 1st October 1938, with three months' previous notice.	7,76,45	
5% Loan, 1939-44	15th July 1929	On or before 15th July 1944, but not preceding 15th July 1939, with three months' previous notice.	20,07,03	
5% Loan, 1940-43	1st Oct. 1932	On or before 1st October 1943, but not preceding 1st October 1940, with three months' previous notice.	25,18,48	
3% Bonds, 1941	15th Sept. 1934	On 15th September 1941	10,67,32	
4% Bonds, 1943	1st Feb. 1933	On 1st August 1943	14,97,18	
5% Income Tax Free Loan, 1945-55.	15th Oct. 1919	On or before 15th October 1955, but not preceding 15th October 1945, with three months' previous notice.	56,74,94	
3½% Loan, 1947-50	15th May 1933	On or before 15th November 1950, but not preceding 15th November 1947, with three months' previous notice.	55,94,37	
2¾% Loan, 1948-52	1st June 1936	On or before 1st June 1952, but not preceding 1st June 1948, with three months' previous notice.	12,01,28	
3% Loan, 1951-54	15th Sept. 1935	On or before 15th September 1954, but not preceding 15th September 1951, with three months' previous notice.	15,12,85	
4½% Loan, 1955-60	15th Sept. 1928	On or before 15th September 1960, but not preceding 15th September 1955, with three months' previous notice.	9,05,70	
4% Loan, 1960-70	15th Sept. 1926	On or before 15th September 1970, but not preceding 15th September 1960, with three months' previous notice.	63,30,26	
3% Loan, 1963-65	19th May 1938	On or before 13th June 1965, but not preceding 1st June 1963, with three months' previous notice.	26,31,22	3,17,17,08
NON-TERMINABLE LOANS—				
THREE AND HALF PER CENT.—				
1842-43	1st Feb. 1843	At the option of the Government of India after three months' notice.	24,61,57	
1854-55	30th June 1854.	Ditto	20,77,14	
" coupon (a)	..	Ditto	5,36	
1865	1st May 1865	Ditto	38,47,85	
Reduced, 1879	16th Jan. 1879.	Ditto	2,70,85	
1900-01	30th June 1900	Ditto	36,39,34	1,23,02,11
THREE PER CENT.— 1896-97	22nd July 1896	Ditto	3,23,54	3,23,54
RAILWAY LOANS— Maharaja Holkar, 4½ p. c.	(1870-77)	After 101 years	70,00	
Maharaja Scindia, 4 p. c.	..	..	1,50,00	2,20,00
		TOTAL		7,25,47,26*

PUBLIC DEBT NOT BEAR[ING] INTEREST.

Particulars.	Date of discharge.
5½% War Bonds, 1920.	15th Aug. 1920.
5½% War Bonds, 1921.	15th Sept. 1921.
5½% War Bonds, 1922.	15th Aug. 1922.
5½% War Bonds, 1923.	15th Sept. 1923.
4% Terminable Loan of 1915-16.	30th Nov. 1923.
5½% War Bonds, 1925.	15th Sept. 1925.
6% Bonds, 1926.	15th Sept. 1926.
6% Bonds, 1927.	1st Oct. 1927.
5½% War Bonds, 1928.	15th Sept. 1928.
6% Bonds, 1930	15th Aug. 1930.
6% Bonds, 1931.	15th Sept. 1931.
6% Bonds, 1932.	1st Oct. 1932.
5% War Loan, 1929-47.	15th May 1933.
4% Conversion Loan of 1916-17.	1st July 1933.
6% Bonds, 1933-36.	15th Aug. 1933.
5% Bonds, 1933.	1st Sept. 1933.
4% Loan, 1934-37.	16th Aug. 1934.
4½% Bonds, 1934.	15th Sept. 1934.
5% Bonds, 1935.	15th Sept. 1935.
6¼% Treasury Bonds, 1935.	15th Sept. 1935.
TOTAL	

(a) Issued in London in conversion of the 4½ per cent. Loan.
* Amount held in London is 7,61,11.

[O]FFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.
New Delhi, the 5th September 1938.

M. SUBRAHMANYAN,
Accountant General, Central Reven[ues].

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M.
Sundays and other Gazetted holidays from 2 P.M. to 5 P.M. }

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 10th September 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

Simla, the 31st August 1938.

No. S.-107/14.—Mr. A. Hamid, Assistant Divisional Engineer, Telegraphs, Quetta, is granted earned leave for 12 days combined with leave on private affairs for 14 days, with effect from the 15th August 1938 or from any subsequent date of his relief.

Simla, the 2nd September 1938.

No. S.-107/10.—Mr. Saroj Kumar Kanjilal, Assistant Divisional Engineer, Telegraphs, is granted earned leave for 7 days, with effect from the 11th August 1938, in extension of the leave granted to him in this Department Notification No. S.-107/10, dated the 15th July 1938.

Simla, the 3rd September 1938.

No. S.-107/9.—Mr. M. N. Mirza, Assistant Divisional Engineer, Telegraphs, is granted leave on average pay for one day, the 1st August 1938, in extension of the leave granted to him in this Department Notification No. S.-107/9, dated the 30th July 1938.

Simla, the 5th September 1938.

No. S.-107/8.—Mr. F. W. Kelly, Assistant Divisional Engineer, Telegraphs, is granted earned leave on full average pay for 30 days, with effect from the 2nd August 1938.

G. V. BEWOOR,
Director-General of Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 27th August 1938.

No. 9137-A./2-E./6/C. T.—Mr P. C. Dey, M.A. (Com.), Income-tax Officer, Railway and Miscellaneous Salaries Circle, Calcutta (on leave) is allowed on medical certificate under Fundamental Rule 81 (b) (ii) and the proviso thereunder an extension of leave on average pay for 4 months with effect from the 31st July 1938, in continuation of leave already granted to him in my Order No. 6523/2-E./6-C. T., dated the 15th July 1938.

S. N. BANERJEA,
Commissioner of Income-tax, Bengal.

GOVERNMENT OF THE UNITED PROVINCES.

NOTIFICATION.

MISCELLANEOUS.

Allahabad, the 19th August 1938.

No. F.-588.—The agreement printed below which has been entered into by the Jhansi City School Society in accordance with the provisions of part VII of the Land Acquisition Act, 1894 (I of 1894), as amended by the Land Acquisition Amendment Act, 1923 (XXXVIII of 1923) is hereby published for general information under section 42 of the said act.

By order, etc.,

P. M. KHAREGAT,

Secretary.

AGREEMENT.

An Agreement made this the 16th day of July one thousand nine hundred and thirty eight Between the Governor of the United Provinces (hereinafter called the "Governor" which term shall include his successors and assignees) of the one part, and the Jhansi City School Society, a society registered under the Societies Registration Act 1860 (hereinafter called the "The Society" which term shall include its successors and assignees) of the other part.

WHEREAS for the purpose of constructing quarters for the headmaster of the MacDonnell High School, Jhansi the Society has applied to the Government of United Provinces (hereinafter referred to as "The Provincial Government") for Acquisition under the provisions of the Land Acquisition Act, 1894 as amended by Act XXXVIII of 1923 of the piece or parcel of land described in the Schedule hereto attached and delineated in the plan hereunto annexed; AND WHEREAS the Provincial Government after making and holding such enquiry as is required and prescribed by law is satisfied that the society is a company as defined in the said Act and that the acquisition of the said piece or parcel of land is needed for the aforesaid purpose and that the said work is likely to prove useful to the public; AND WHEREAS under Section 41 of the said Land Acquisition Act it is necessary that the Society should enter into an agreement with the Governor regarding matters specified in the said Section. Now it is hereby agreed between the parties hereto:—

1. That the Society will pay to the Provincial Government or such person or persons as the Provincial Government may appoint in this behalf all such sums of money as shall be awarded under the provisions of the said Land Acquisition Act as compensation to any person or persons who may be found on enquiry held as therein provided to be interested in the said piece or parcel of land; and

2. That the Society will pay from its funds to the Provincial Government the charges incidental to the cost of acquisition of the said piece or parcel of land under the provisions of the said Land Acquisition Act; and

3. That upon the society having made all payments incidental to the acquisition of the said piece or parcel of land as mentioned in the first and second clauses hereof the Provincial Government will forthwith in consideration of the payment of such compensation money and cost of acquisition transfer to the society all the said piece or parcel of land containing by measurement $225' \times 100'$ or thereabout and equivalent to 1 Rod 39 Poles 13 Square Yards situate at Mohalla Madak Khana in the town of Jhansi and described in the schedule hereto free from all encumbrances and rights together with all rights, easements and appurtenances hereto belonging or enjoyed therewith to hold the same to the society for ever subject to the conditions hereinafter set forth; *viz*:

(*a*) The public shall be entitled to the benefits of the said school in the same way and to the same extent as it is now entitled under the rules of the society and the society shall not alter its present rules so as in effect to restrict such benefits to any appreciable extent.

(*b*) That the Society will within a period of five years after being put in possession of the said piece or parcel of land and at its own cost construct thereon buildings to be used as quarters for the residence of the Headmaster of the MacDonnell High School, Jhanshi or for any other work connected with the educational work of the said school and will thereafter maintain such buildings at its own cost and will not use the said piece or parcel of land for any other purpose without the previous permission in writing of the Provincial Government.

(*c*) That if the Society shall commit a breach of any of the covenants by the Society herein contained, it shall be lawful for the Governor to enter upon the said piece or parcel of land and take the same for his own use; and thereupon the transfer made in favour of the society shall become null and void and the said piece or parcel of land and all buildings and other works thereon shall vest in His Majesty for the purpose of the Government of the United Provinces and the Society shall not be entitled to any compensation therefor.

In witness whereof the parties have hereto set hands the 16th day of July 1938.

Signed on behalf of the Jhansi City School Society.

AMBIKA PRASAD,

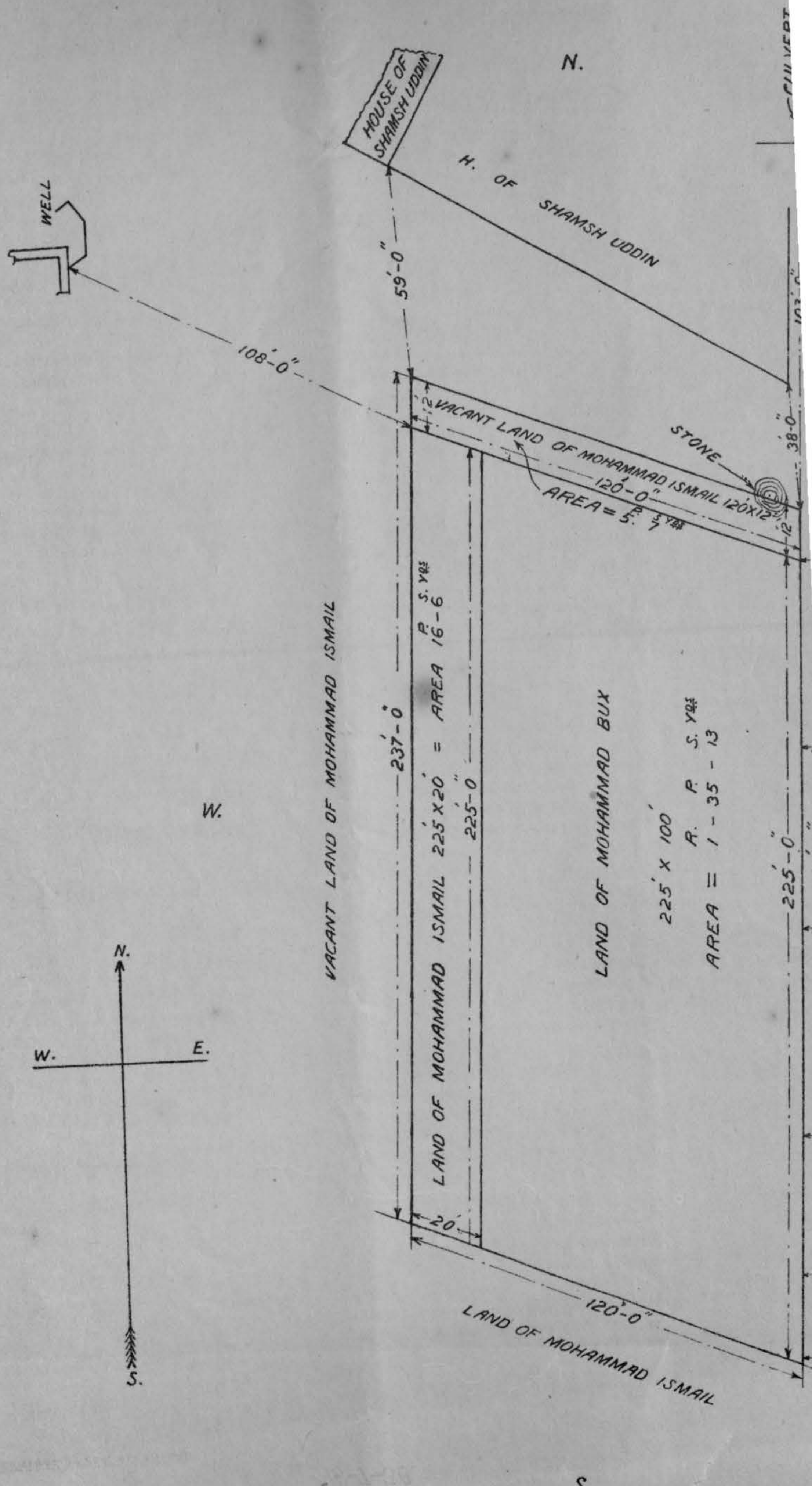
Secretary,

Jhansi City School Society, Jhansi.

SITE PLAN NEAR MACDONNEL HIGH SCHOOL, JHANS

SCALE 40'=1"

AREA = 2-20-28 (R. P. S.Yds.)



Witness No. 1.

Illegible.

Witness No. 2.

SURAJ MAL JAIN.

Signed for and on behalf of the Governor of the United Provinces.

P. M. KHAREGAT,

Secretary to Government, U. P.,

Education Department.

Dated the 16th July 1938.

In the presence of—

Witness No. 1.

G. B. JOSHI.

G. A., Education Deptt.

Civil Secretariat, Lucknow.

Dated the 16th July 1938.

Witness No. 2.

G. B. SAKSENA.

Assistant,

U. P., Civil Secretariat, Lucknow.

Dated the 16th July 1938.

The schedule herein referred to.

All that piece or parcel of land containing by estimation 1 Rod, 39 Poles, 13 Square Yards be the same a little more or less situate lying at and being part of land of Mohammad Baksh and bounded on the North by the vacant land of Mohammad Ismail and Samshuddin, East by a public road from Saiyar Gate to Khushipura, South by the land of Mohammad Ismail West by the vacant land of Mohammad Ismail.

AMBIKA PRASAD,

Secretary,

Jhansi City School Society, Jhansi.

P. M. KHAREGAT,

Secretary to Government,

United Provinces,

Education Department.

Dated the 16th July 1938.

GOVERNMENT OF BIHAR.

Revenue Department.

NOTIFICATION.

Patna, the 5th September 1938.

MEMORANDUM OF AGREEMENT made the fourteenth day of April One thousand and Nine hundred and Thirty Eight Between the Gaya Sugar Mills Ltd., Guraru (Gaya) a Company incorporated under the Indian Companies Act, 1913/1914 and having its registered office at Guraru P. O., Guraru Mills in the Province of Bihar (hereinafter called "the Company") of the one part and the Government of Bihar of the Other Part WHEREAS the Company intend to acquire a site for parking of sugarcane carts and to build necessary structures for that purpose thereon and have applied to the Provincial Government for the acquisition under the provisions of Land Acquisition Act I of 1894, (hereinafter referred to as "the said Act") of the land described in the schedule hereunder written and delineated on the map hereunto annexed whereon to erect and maintain buildings for use in connection with the undertaking of the Company, namely for the purpose of providing parking site for sugarcane cart and other necessary purposes and whereas the Provincial Government being satisfied by an enquiry held under their order under section 40 of the said Act that the said acquisition is necessary for the construction of the said work and that such works are likely to prove useful to the public, have consented to the said acquisition pursuant to the provisions of the said Act on condition of the Company entering into such agreement as in hereinafter contained. Now these presents witness and it is hereby agreed and declared as follows:—

1. The Company shall and will provide for payment and reimburse to the Provincial Government in the manner hereinafter mentioned the entire cost of acquiring the said land pursuant to the provisions of the said Act including all compensation, damages, costs, charges and expenses whatsoever which have been or may be paid or incurred in respect of or on account of such acquisition and all law costs and other expenses which have been or may be incurred by the Provincial Government upon or in respect of or incidental to the said acquisition or any litigation arising therefrom, either in the Original or Appellate Court and including the costs of the establishment and salary of the officer or officers of the Government to be employed by the Provincial Government in connection with or for the purpose of such acquisition.

The moneys which shall become payable as aforesaid shall be paid by the Company to the Collector under the said Act within seven days of the receipt of a notice from the said Collector in this behalf requiring payment of the whole or any part of such moneys as may be due and payable.

2. On payment of all sums which may be payable under the preceding clause the Provincial Government shall transfer the said land to the Company so as to vest the same absolutely in the Company subject to the conditions hereinafter contained and the said land shall be used by the Company for the work and purpose set forth in the preamble.

3. The works hereinbefore specified shall be commenced immediately on such transfer being completed and shall be completed and rendered fit for use within a period of two years from the completion of the said transfer or such further period as the Collector of Gaya may signify in writing.

4. If at any time or times any part or parts of the said land shall be necessary to be possessed by the Provincial Government for the purpose of revenue administration or for purposes connected with public health and safety or necessity (of which matter the Provincial Government shall be sole judge) the Company shall on being thereunto required by the Provincial Government transfer to the said Provincial Government such part or parts of the said land as the Provincial Government shall specify to be necessary for the purposes aforesaid and in consideration of such transfer the Provincial Government shall pay to the Company a sum equal to the amount of the compensation awarded under the said Act and paid by the Company in respect of the land the subject of the transfer upon the acquisition thereof for the Company including the amount awarded in respect thereof under section 23 (2) of the said Act together with compensation for the buildings erected on such part or parts at a valuation to be determined by the Collector of Gaya. An appeal from the decision of the Collector shall lie to the Commissioner and the decision of the Collector or where an appeal has been preferred against such decision the decision of the Commissioner determining such valuation as aforesaid shall be final, conclusive, and binding on the Company.

5. If at any time the said land or any part or parts thereof shall no longer be required by the Company for the works and purposes set forth in the preamble hereof the Company shall, if desirous of selling or assigning the said land or such part or parts thereof as aforesaid, first offer the same to the Provincial Government at a price equal to the amount of compensation awarded under the said Act and paid by the Company in respect of the land so intended to be sold upon the acquisition thereof for the Company including the amount awarded in respect thereof under section 23 (2) of the said Act and shall not make any sale or assignment thereof to any other party until such offer shall have been declined by the Provincial Government.

When such offer has been made by the Company the Provincial Government may accept it in respect of such part or parts of the land so offered as it may deem fit and decline it as to the remainder.

If the Provincial Government accept any offer made under this clause the Company shall be entitled within six months from the date on which such acceptance is communicated to the Company to remove all buildings or structures on the land or part or parts thereof accepted as aforesaid by the Provincial Government.

6. The public will have such right of access to and use of the land and premises of the Company as may be necessary for the transaction of their business with the Company.

7. In the case of a breach by the Company of any of the terms and conditions of this Agreement, the Provincial Government shall be entitled to re-enter on the whole of the said land without payment of any compensation to the Company and upon such re-entry the interest of the Company in the said land shall cease and determine.

8. In the event of re-entry by the Provincial Government under this clause the Company shall be entitled to remove within six months from the date of such entry all buildings and structures on the said land.

9. Should any dispute or difference arise touching or concerning the subject-matter of this Agreement or any covenant or clause or thing herein contained other than dispute or difference as to the valuation of the buildings determined or to be determined under the provisions of clause (4) the same shall be referred to the Provincial Government and the opinion and the decision of the said Government upon such dispute or difference shall be final and conclusive and binding on the parties hereto.

Name of Mouza, Pargana, thana, thana number and district.	Plot No.	Area.	Boundaries.
1	2	3	4
Mouza Bara	75 & 76	4 bighas 17 kathas 3½ chatak.	*South*—by Survey Plots Nos. 77 & 79.
Pargana Kabar			*North*—by Survey plot No. 74.
Thana Mufasil Gaya			*East*—by Survey plot No. 74.
Thana No. 7			*West*—by Survey plots Nos. 71 & 72 (at present District Board road).
District Gaya			

IN WITNESS WHEREOF the common seal of the Company Limited has hereunto been affixed and these presents signed.

In the presence of witness:—

MOHIT KUMAR SIRCAR,

Secretary,

Gaya Sugar Mills Ltd.

For and on behalf of the Company—

For Gaya Sugar Mills Ltd.

JOGESHWAR PRASAD,

Managing Director.

The 14th April 1938.

As witness the hand of Rai Bahadur A. G. K. Lal, Secretary to the Government of Bihar in the Revenue Department for and on behalf of the Provincial Government the day and year first above written.

Witness—

J. D. MISRA,

Asst. Secretary to Govt., Rev. Dept.

A. G. K. LAL,

Secretary to Government.

Dated the 29th June 1938.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 29th August 1938.

No. 198/22.—Rai Bahadur N. C. Ghosh, Divisional Superintendent, has been granted 4 months privilege leave combined with one month's commuted furlough on full pay on medical grounds with effect from the 12th May 1938.

This cancels Notification No 198/22, dated the 6th May 1938, published in the *Gazette of India*, Part II, dated the 14th May 1938.

Calcutta, the 30th August 1938.

No. A. E. 2931.—Messrs. A. N. Mukerjee and H. L. Khanna, probationary officers in the Transportation (Power) and Mechanical Engineering Departments of the Superior Revenue Establishment of State Railways at present employed on the East Indian Railway, have been confirmed in that Department in the Junior Scale, with effect from the 22nd August 1938.

Calcutta, the 5th September 1938.

No. AE. 2134/5.—The following probationary officers in the Transportation (Traffic) and Commercial Departments of the Superior Revenue Establishments of State Railways and at present employed on the East Indian Railway have been confirmed in that department in the junior scale, with effect from the date noted against each:—

Name.	Date of confirmation.
1. Mr. R. A. Sadique	30th August 1938.
2. Mr. G. D. Khandelwal	2nd September 1938.

No. AE. 2134/Prom. 4.—Mr. S. S. Chowdhury, Assistant Superintendent, Junior Scale, Mechanical Engineering and Transportation (Power) Department of the Superior Revenue Establishment, East Indian Railway is promoted permanently to the Senior Scale, with effect from the 28th January 1938.

J. A. BELL,

General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATIONS.

Calcutta, the 30th August 1938.

No. 80-E./16.—Mr. C. Anwar Ali, an officer on probation in the Junior Scale of the Transportation (Power) and Mechanical Engineering Branch, is confirmed in his appointment, with effect from the 22nd August 1938.

A. F. HARVEY,

General Manager.

Calcutta, the 31st August 1938.

No. 24. Mr. K. D. Suri, Assistant Loco. Superintendent, is granted leave on average pay for 4 months, with effect from the 1st October 1938, or subsequent date of relief.

R. L. W. MEEHAN,

Chief Mechanical Engineer.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 30th August 1938.

No. 88.—Mr. W. Petrie, Offg. Senior Assistant Fuel, is granted leave (out of India), for 12 months, *viz.*, leave on average pay for 8 months and on half average pay for the remaining period with effect from the 12th October 1938, or subsequent date of relief.

Lahore, the 31st August 1938.

No. 89.—Mr. E. Catley, Assistant Executive Engineer, is granted leave (out of India) for 12 months and 3 days, *viz.*, leave on average pay for 8 months and on half average pay for the remaining period, with effect from 16th October 1938, or subsequent date of relief.

No. 90.—Mr. G. A. Plank, Assistant Executive Engineer, is granted leave (out of India) for 12 months, *viz.*, leave on average pay for 8 months and on half average pay for the remaining period, with effect from 29th October 1938 or subsequent date of relief.

No. 91.—Mr. S. N. Palmer, Assistant Executive Engineer, is granted leave (out of India) for 4 months and 14 days, *viz.*, leave on average pay for 4 months and 6 days and on half average pay for the remaining period, with effect from 18th September 1938 or subsequent date of relief to 31st January 1939.

Lahore, the 2nd September 1938.

No. 92.—Mr. F. J. DeSouza, Executive Engineer, is granted an extension of leave on average pay for 19 days with effect from 6th September 1938, in continuation of the leave already granted to him under this office Notification No. 84, dated 15th August 1938.

J. MACKINNON,

General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 30th August 1938.

No. 21620-S./2198.—Mr. J. I. Pearse, Assistant Traffic Manager (Junior Scale), has been substantively promoted to the Senior Scale, with effect from 26th July 1938.

Mr. S. S. Ramasubban, Assistant Traffic Manager (Junior Scale) has been appointed to officiate in the Senior Scale, with effect from 15th August 1938.

Rao Saheb M. N. Pagay, Officiating Senior Commercial Inspector, has been appointed to officiate as Assistant Traffic Manager (Lower Gazetted Service) with effect from 15th August 1938.

J. H. F. RAPER,

General Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, SEPTEMBER 17, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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	Including packing and Indian postage. Rs.	A.	P.	Additional postage for supplies out of India. Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

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Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

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Parts I, II, II-A, III or Supplement each	0	6	0
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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 17th September 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

September 3, 1938.

25645. H. E. Collier. The multi-frequency automatic signalling system.
25646. J. C. Toy-Midgley. Improvements in or relating to railway permanent way.

September 5.

25647. W. Singh. A machinery to be affixed to sticks, for giving light.
25648. B. Ganapath Rao. A process for utilising cane sugar molasses as a retarding and levelling agent in the dyeing of cellulose fabrics, chiefly of cotton, mercerised or unmercerised and also of rayon or mixture of cotton and rayon.
25649. T. Ruetz. Improvements in closure devices for tubes. (August 4, 1938).
25650. Ruhrchemie Aktiengesellschaft. A process for improving high-grade lubricating oils. (August 3, 1938).
25651. K. A. Christy. Method of cutting and waving hair.
25652. Byron Jackson Co. Drilling hook.
25653. Sierra Leone Development Co. Ld. Improvements in ore and like concentrators. (October 27, 1937).
25654. Marconi's Wireless Telegraph Co. Ld. Improvements in radio and like receivers. (September 4, 1937).
25655. The Superheater Co. Ld. Improved method or process of uniting the ends of parallelly arranged metal tubes. (February 12, 1938).
25656. Universal Winding Co. Improvements in or relating to filaturing or silk-reeling apparatus.
25657. E. J. Hugel. Process and apparatus for the elimination of colloidal impurities of the solutions and particularly of the sweet juices and residual waters.

September 6.

25658. F. L. Smidth & Co. A/S. Improvements in or relating to the separation of minerals. (June 8, 1938).

September 7.

25659. W. T. Henley's Telegraph works Co. Ld. Improvements in or relating to insulated electric conductors.
25660. Universal Oil Products Co. Process for the hydrogenation of octenes.
25661. James Mackie & Sons Ld. Improvements in and relating to spinning machines. (September 9, 1937).

September 8.

25662. Standard Telephones & Cables Ld. System of guiding vehicles.
25663. National Maize Products Ld. Process for the recovery of glycerol or other dissolved liquids from their solutions. (September 15, 1937).
25664. J. T. McIntyre. Improvements in screw type fluid propelling apparatus.
25665. I. Rennerfelt and B. M. S. Kalling. Improvements in or relating to the decarbonization of carbon-containing metals or alloys.

September 9.

25666. J. V. Roy. An improved water-cock.
25667. T. E. Woodroffe. Improvements in or relating to rodent or animal traps. (September 30, 1937).

Alteration of Date.

(I)

24979. Post-dated to 26th May 1938.

(II)

25062. The claim to priority date 24th March 1937 has been abandoned and the application dated as of 23rd March 1938, the date of filing in India.

(III)

25455. Ante-dated to February 25, 1938, under Section 5.

(IV)

25602. Ante-dated March 28, 1938, under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24396. Stacom Process Corporation. Improved process of and apparatus for obtaining cellulose from plant life containing it. *Material passed longitudinally between a ring and roller press.*

24398. (L.) Shri Ram and Prof. S. S. Bhatnagar. New textile fibres, thread, yarn or woven fabrics and methods of producing the same. *Finely divided silk cotton not exceeding 1/32 inch in length and passing through 50 meshes incorporated with cotton and other fibre.*

24427. Dr. D. J. Van Aalst. Improvements in or relating to medical injections. *Addition of pectin to insulin solution.*

24469. J. W. Nasmith. Improvements in or relating to combing machines. (March 8, 1937). *Piecing rollers operating in conjunction with the detaching rollers.*

24472. Intensive Cultivations Limited. Improvements in or relating to trays for the germination of seeds. *Plurality of overflow orifices at a predetermined height distributed over the bed with spaced intercommunicating concavities disposed around said orifices.*

24508. Kirloskar Brothers Limited. Improvements in or relating to handles for ploughs or agricultural implements. *Two main limbs formed of light "pressed or rolled metal section" and by bracing form a system of triangulation.*

24522. W. J. Forrest and Pinchin Johnson & Co. Ld. Improvements in or relating to the filtering or straining or like treatment of fluids. (May 11, 1937). *Passing liquid through filtering medium and traversing over the clean side of such medium cleansing heads under pressure and allowing dross to separate by gravity.*

24605. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of azo-dyestuffs. (November 23, 1936). *Coupling with a 2·3 hydroxynaphthoic acid arylide a diazonium compound from an amino substitution product of trifluoromethyl phenyl sulphone.*

24751. Societe Anonyme Stabilimenti Di Dalmine. Method and apparatus for internally coating metal tubes with bituminous materials. *Distributing bitumen in hellical form and coating the inside by rotating the tube.*

4799. Societe Internationale De Participations Industrielles Et Commerciales, Societe Anonyme. Process and apparatus for making elastic threads. (May 6, 1937). *Collecting latex by means of surface tension on a continuous collecting projection adjacent to but spaced away from latex surface.*

24937. B. Kalinowski. Improvements in or relating to floatation processes. *Activating the alkalimised pulp, removing the soluble soaps and alkalimity and adding frothing agents for selective flotation.*

24979. S. C. Biswas. Improved envelopes. *Locking arrangement having one or more loops of string and strip of paper or stamp.*

24986. The General Electric Co. Ld. Improvements in electric circuit arrangements for operating discharge devices. (February 26, 1937). *Pair of step-up autotransformers, free ends of the two being connected to the two ends of discharge device.*

25026. W. H. P. Boll. Improved attrition mill. *Cubeshaped chamber mounted for rotation at the diagonally opposite corners with a plurality of balls.*

25062. J. Robinson. Improvements in or relating to materials for making moulds and cores used in the casting of metals, glass and the like, and moulds and cores made therefrom. *Mixture of Aluminous Hydraulic cement and powdered graphite with or without the addition of powdered kyanite.*

25144. Thomas Summerson & Sons Ltd. and S. S. Wrightson. Improvements in and relating to hand-controlled switch boxes for railways, tramways and the like. (October 12, 1937). *Two movable abutments mechanically connected with toggle system and lever-operated mechanism so arranged that movement of abutments effects movement of toggle.*

25308. The Buell Combustion Co. Ld. Improvements relating to Centrifugal Dust Collectors. *Dust laden gas subjected to whirling in cylindrical casing and vaned outlet for cleaned gas, vaned area being at least three times the gas inlet area.*

25455. The General Electric Co. Ld. Improvements in electric circuit arrangements for operating discharge devices. (April 8, 1937). [Antedated February 25, 1938]. *Pair of double wound step-up transformers, one end of each secondary connected to adjacent terminal of discharge lamp.*

25602. Glareless Lamps Ld. Improvements in or relating to electrical systems. (July 31, 1937). [Ante-dated March 28, 1938]. *Plug or adaptor provided with a pair of sockets for separate lamps and so connected that lamps may be used alternatively by means of an electromagnetic device.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each:—

23755. Carlin.
24099. Rao.
24162. The General Electric Co. Ld.
24234. Martinho.
24238. Pomilio.
24242. Nier.
24276. Standard Telephones and Cables Ld.
24278. National Carbon Co., Inc.
24303. Casas-Robert.
24305. Casas-Robert.
24360. H. A. Brassert and Company Ltd.
24363. The General Electric Company Ltd.

24400. The P. & M. Co. (England), Ltd.
24488. Varshney.
24510. The General Electric Company, Limited.
24534. The General Electric Co., Ld.
24582. Dr. Sen and Joshi.
24593. Kolb.
24634. F. Perkins Ld.
24653. The Thermolux Glass Co. Ld.
24676. International Hydrogenation Patents Co. Ld.
24689. Sanitation.
24738. Dunlop Rubber Co. (India), Ld.
24743. Beyer.
24749. Marsoni.
24776. Laird.
24778. The Buell Combustion Co. Ld.
24783. The United Wire Works, Ld.
24793. Ehrich and Graetz Aktiengesellschaft.
24822. The Indian Hume Pipe Co., Ld.
24823. Austral Cabinet Co., Ld.
24842. Paul.
24855. Uldall.
24883. Furness, Anderson, and Joseph Crosfield & Sons, Ld.
24893. Monotype Machine (Colonial Patents) Syndicate Ld.
24934. The British Tabulating Machine Co., Ld.
24947. The General Electric Co. Ld.
24987. Western Products Co., Ld.
24998. Mushtaq Ali Khan.
25008. Kilby.
25052. Seip.
25054. Automatic Telephone and Electric Co. Ld.
25063. Dr. Rami.
25069. Uberoi.
25102. Baer.
25107. Marconi's Wireless Telegraph Co. Ld.
25114. Yoshida.
25118. Salerni.
25131. Deshpande.
25250. National Carbon Co. Inc.
25251. National Carbon Co. Inc.
25332. Casas-Robert.
25361. Research Corporation.
25437. The General Electric Co., Ld.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23730. Carlin.
23779. Spengrey Cap International Co.
23927. Vale (Junior).
23932. Imperial Hat Works.
23944. McCullough.
23948. Matzka.
23953. Vereinigte Eisenbahn-Signalwerke Gesellschaft Mit Beschrankter Haftung.
23976. Automotive Products Co., Ld., and Gates.
23990. Marconi's Wireless Telegraph Co., Ld.
24118. Sardar Kalha.
24282. Ridley.
24304. Casas-Robert.
24477. Svenska Aktiebolaget Gasaccumulator.
24521. Sweeney.
24536. The British Cotton Industry Research Association.
24538. Joseph Crosifield & Sons Ld.
24545. Owens-Illnois Glass Co.
24562. Marconi's Wireless Telegraph Co., Ld.
24596. Kempe.
24613. Imperial Chemical Industries, Ld.
24643. Reed.
24655. Kanclerz.
24670. Concordia-Bergbau Aktiengesellschaft.
24780. Chester.
24785. L-Gardner & Sons Ld.
24786. Sastry.
24820. Morrison.
24824. Kumardhubi Fireclay & Silica Works Ld.
24827. J. A. Crabtree & Co. Ld., and McLoughlin.
24834. Bolt and Wallsend Slipway & Engineering Co. Ld.
24841. Bhandarkar.
24866. Godin (Senior), Godin (Junior) and Handl.
24874. Seri Holding S. A.
24887. Imperial Chemical Industries Ld.
24888. Ruhrchemie Aktiengesellschaft.

Patents Sealed.

23889. N. V. De Bataafsche Petroleum Maatschappij.
23967. Ateliers H. Duesberg-Bosson Societe Anonyme.
23969. Piacentini.
24098. Das and Das.
24196. Widdas.
24332. Wellesley Holdings Ld.
24397. Harrison and Marshall Sons & Co. (India) Ld.
24404. De Gialluly.
24523. Callender's Cable and Construction Co. Ld., and Hamilton.
24578. Dunlop Rubber Co. (India) Ld.
24622. Levi.
24626. Watson.
24648. Chick.
24688. Kennedy.
24782. J. F. Haig & Co. Ld., and Haig.
24784. Mitterbiller-Epp.
24796. Paris Crown Seals Ld.
24801. Marconi's Wireless Telegraph Co. Ld.

Opposition Proceedings.

(I)

An opposition has been entered by Bashi Ram Sharma to the application made by Hiralal Banjara under Section 64 of the Indian Patents and Designs Act, 1911, for rectification of the Register of Patents in respect of patent No. 14245.

(II)

An opposition has been entered by Abdulla Mia to the application made by Hiralal Banjara under Section 64 of the Indian Patents and Designs Act, 1911, for the rectification of the Register of Patents in respect of patent No. 14245.

(III)

An opposition has been entered by P. Lodge & Co., to the application made by Hiralal Banjara under Section 64 of the Indian Patents and Designs Act, 1911, for the rectification of the Register of Patents in respect of patent No. 14245.

Amendment Proceedings.

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Rolls Razor Limited, of 255-289 Cricklewood Broadway, London, N. W. 2., England, seek leave to amend the specification in respect of their patent application No. 24148. Any person desirous of opposing the application for amendment should, at any time within three months from the date of this Gazette, give notice of his intention to do so in the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta. The proposed amendments are as follows :—

In the printed specification—

Page 1, *after* line 28, *insert* the following as a new paragraph :—

"A further feature of the invention is the provision of a self-contained mechanism whereby the inner shearing member can be rapidly reciprocated by the hand operation of an external lever as hereinafter described."

Page 3, *Delete* lines 38—58 (Claims 1 to 4) and *insert* the following 6 Claims :—

"1. A dry shaving device in which an inner shearing member is reciprocated within and outer shearing member, characterised by the fact that the outer member has a central longitudinal bar from which extend lateral teeth towards curved side edges or portions, which bar has a guide rib on its inner surface that fits in a groove on the inner shearing member, which latter has teeth extending laterally beyond said groove to co-operate with the teeth on the outer shearing member, the inner member being anti-frictionally guided in its movement by the said rib and being spaced from the side walls of the outer member.

2. A dry shaving device as in claim 1, in which the inner shearing member is reciprocated by driving mechanism within the handle of the device, which handle has a pivoted operating lever that can be pressed against spring action for operating the said mechanism to impart reciprocation to the inner shearing member.

3. A dry shaving device having a hand driving mechanism as specified in claim 2, in which the operating lever is pivoted at one end within a casing which forms the handle, and has or is connected with a curved rack housed entirely within the casing or handle and in mesh with a pinion associated with a ratchet and pawl or free wheel device, so as to operate a train of gear wheels for rotating a flywheel disposed in a plane parallel to the said gear wheels on a shaft or the like having a cam, eccentric or similar arrangement for oscillating one end of a lever, whose other end engages with and is adapted to reciprocate the inner shearing member.

4. A dry shaving device as in the preceding claim, in which the said gearing and operating mechanism is mounted on a frame within the handle or casing, which frame carries the shafts or pivots for the operating handle, the free wheel device, the gear wheels, the flywheel and the oscillatory lever which reciprocates the inner shearing member.

5. A shaving device having an operating mechanism substantially as hereinbefore described with reference to the accompanying drawings.

6. For use in a shaving device as set forth in the preceding claims, an inner shearing member and an outer shearing member substantially as hereinbefore described with reference to the accompanying drawings."

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

No. 24530. The Chloride Electrical Storage Co. Ld.
Nos. 24641 and 24642. Pilkington Brothers Ld.

Renewal Fees Paid

PATENTS.

10820. International General Electric Co. Inc. (To 10th November 1939).
13613. Lawrence. (To 12th September 1939).
14863. O. C. Duryea Corporation. (To 4th October 1939).
15089. I. G. Farbenindustrie Aktiengesellschaft. (To 10th December 1939).
16233. Basu. (To 12th September 1939).
17348. The P. & M. Co. (To 8th September 1939).
17604. Lampen-und Metallwaren Fabriken R. Ditmar Gebruder Brunner A. G. (To 1st December 1939).
18099. Gustav Ganz & Co. (To 8th June 1939).
18397. Standard Telephones & Cables Ld. (To 5th October 1939).
18551. International General Electric Co. Inc. (To 7th December 1939).
19182. N. V. Philips' Gloeilampenfabrieken. (To 8th September 1939).
19191. Miller. (To 12th September 1939).
19278. Rawlings and ors. (To 15th October 1939).
19401. Reiners. (To 21st November 1939).
20229. Calimani & anr. (To 13th October 1939).
20285. Usines De Melle. (To 9th October 1939).
20306. W. T. Henley's Telegraph Works Co. Ld. (To 1st November 1939).
20411. Callender's Cable & Construction Co. Ld. (To 10th December 1939).
21142. International Pulverizing Corporation. (To 21st November 1939).
21165. Bergmann. (To 11th September 1939).
21175. N. V. Philips' Gloeilampenfabrieken. (To 17th September 1939).
21185. Marconi's Wireless Telegraph Co. Ld. (To 17th November 1939).
21228. Danzinger. (To 1st October 1939).

21230. Electric & Musical Industries Ld. (To 3rd October 1939).
21275. Wurth. (To 24th October 1939).
21333. Caprotti. (To 5th November 1939).
21355. Pirelli-General Cable Works Ld. (To 1st December 1939).
21442. Hamilton & ors. (To 10th December 1939).
21446. Saunders. (To 21st December 1939).
21447. Saunders. (To 21st December 1939).
21934. Kodak Ld. (To 10th November 1939).
21935. Kodak Ld. (To 10th November 1939).
22109. Bever and ors. (To 6th September 1939).
22163. Kirsebom & ors. (To 21st September 1939).
22173. Osmotas Sanitary Service Ld. (To 11th September 1939)
22188. Sladdin. (To 21st September 1939).
22204. Kestos Ld. (To 28th September 1939).
22358. Marconi's Wireless Telegraph Co. Ld. (To 14th November 1939).

Cessation of Patents.

17055. Boyd and ors.
18092. Compagnie Internationale Oenologique Societe Anonyme.
18983. Morris and anr.
18985. Gardiner.
19989. Allmanna Svenska Elektriska Aktiebolaget.
20497. Bailey.
20891. Flanagan (Sr.) and anr.
20911. Mistry Ahmed Din.
20914. Morgan.
20917. Taylor and ors.
20918. Fairbairn Lawson Combe Barbour Ld.
20919. Wells.
20921. Dr. Taylor.
21334. Mistry Ahmad Din.
21335. Mistry Ahmad Din.
21828. Prestwich.
21877 Binnie.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 3. No. 63629. The Dunlop Rubber Co. (India) Ld., of 57-B, Free School Street, Calcutta, British India. August 2, 1938. (Reciprocity Date February 12, 1938).

Class. 4. No. 63244. Kidar Nath Gupta Habibullah Khan, C/o The Vaish Bangles Works, of Station Road Ferozeabad, Dist. Agra, U. P. British India. April 11, 1938.

Class 4. No. 63277. Jamal Din Son of Mohr Bux, Bazar Ghamrian, Amritsar (Punjab). April 25, 1938.

Class 4. No. 63294. Kidar Nath Gupta Habibullah Khan C/o Vaish Bangles Works, Station Road, Ferozeabad, Dist. Agra, U. P., British India. April 28, 1938.

Class 12. No. 63687. Newar Soap Factory, of Railway Station, Baidyanathdham, E. I. Railway, Baidyanathdham-Deoghar (P. O.). August 29, 1938.

Class 13. Nos. 63676 to 63679. The Calico Printers' Association, Ld., of St. James's Buildings Oxford Street, Manchester, England. August 22, 1938.

Class 13. No. 63683. The Mafatlal Fine Spg. & Mfg. Co. Ld., of Navsari, Baroda State. August 25, 1938.

Class 13. Nos. 63684 and 63685. The Indian Bleaching, Dyeing & Printing Works Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. August 26, 1938.

Class 13. No. 63686. The Indian Bleaching, Dyeing & Printing Works Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. August 29, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of the entry is the date of registration of the design included in that entry :—

Class 3. No. 57205. Uberoi Ld., Punjab Sports Works, Sialkot, Punjab, British India. September 6, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.

BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary' Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.). . .	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON. . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Cawnpore, the 12th September 1938.

A portion of the following note of the Cawnpore Office of Issue is stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who consider himself as having a right to it is warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
S/80-340860	100	Mr. Kartarsingh Saraf, Chowk Chaurasti Attari, Amritsar.

P. BASU,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, CAWNPORE.

Bombay, the 10th September 1938.

A portion of the following note of the Bombay Office of Issue is stated to have been destroyed, and payment of its value has been claimed by the person whose name is placed against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
D 22 of 1938	S/72-076513	100	Mr. Shiv Raj, S/o Jagannath, Mistry, Central P. W. D., Indore Residency, Indore (C. I.).

V. G. DESHMUKH,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, BOMBAY.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATIONS.

Bombay, the 7th September 1938.

No. 28.—On return from leave Mr. V. S. Marballi, is reposted as Currency Officer, Reserve Bank of India, Issue Department, Madras, with effect from the 1st September 1938, vice Mr. P. S. V. Nambi, transferred to Rangoon Office.

Bombay, the 8th September 1938.

No. 29.—Mr. R. N. Banerjee, is appointed to act as Assistant Currency Officer, Reserve Bank of India, Issue Department, Cawnpore, with effect from the afternoon of the 5th September 1938, vice Mr. M. K. Bhattacharyya.

Bombay, the 9th/10th September 1938.

No. 30.—On reversion from the Government of Bihar and return from subsequent leave, Mr. B. L. Panjabi, is reposted as an officer, Reserve Bank of India, Agricultural Credit Department, Bombay, with effect from the 7th September 1938, vice Mr. P. J Jeejeebhoy, transferred to Central Office.

MANILAL B. NANAVATI,

Deputy Governor.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for March 1938.

(In lakhs of Rupees.)

	For March.		To end of March.		Whole year.	
	1936-37.	1937-38.	1936-37.	1937-38.	Accounts, 1936-37.	Revised 1937-38.
Revenue.						
Customs	2,41	3,59	46,85	43,25	46,85	43,9[illegible]
Central Excise Duties		52		7,66		7,7[illegible]
Corporation Tax	2,19	1,36	13,87	2,03	13,87	1,5[illegible]
Taxes on Income other than Corporation Tax		66		12,53		12,1[illegible]
Salt	83	92	8,38	8,39	8,38	8,3[illegible]
Opium	1	1	48	51	48	4[illegible]
Railways—						
Gross receipts	10,25	9,93	97,32	100,45	97,32	99,8[illegible]
Deduct—Working Expenses	*6,57*	*6,92*	*63,40*	*65,58*	*63,40*	*64,*[illegible]
Surplus Profits	..	*4*	*42*	*52*	*42*	*5*[illegible]
Payments to worked Lines	*35*	*28*	*3,02*	*2,93*	*3,02*	*3,0*[illegible]
Net receipts	3,33	2,69	30,48	31,42	30,48	31,4[illegible]
Subsidised Companies	3	5	16	12	16	1[illegible]
Miscellaneous Railway Receipts	77	1,03	86	1,12	86	1,1[illegible]
Posts and Telegraphs—Net receipts	70	76	88	1,29	88	1,1[illegible]
Other heads	1,85	2,67	5,43	7,75	5,43	9,2[illegible]
Total	12,12	14,26	1,07,39	1,16,07	1,07,39	1,17,2[illegible]
Expenditure.						
Railway Revenue Account—						
Interest and other charges	18,98	17,45	31,50	29,90	31,50	29,9[illegible]
Interest on Debt—Gross	2,62	2,71	35,90	35,51	35,90	35,3[illegible]
Deduct—Amount Chargeable to—						
Railways	*18,78*	*17,39*	*29,62*	*28,13*	*29,62*	*28,0*[illegible]
Irrigation	*8*	*8*	*8*	*8*	*8*	[illegible]
Posts and Telegraphs	*79*	*72*	*79*	*72*	*79*	*7*[illegible]
Commutation of Pensions	*23*	*24*	*23*	*24*	*23*	*24*
Salt and other Commercial Departments	*8*	*7*	*8*	*7*	*8*	*7*
Provincial Loans Fund	*7,97*	..	*7,97*	..	*7,97*	..
Provincial Governments	..	*2,96*	..	*4,93*	..	*4,9*[illegible]
Net Charges	—25,31	—18,75	—2,87	1,34	—2,87	1,2[illegible]
Defence Services (Net)	5,10	3,73	44,62	47,35	44,62	47,2[illegible]
Other heads	18,10	13,12	40,28	38,63	40,28	38,9[illegible]
Total	16,87	15,55	1,13,53	1,17,22	1,13,53	1,17,2[illegible]
Expenditure not charged to Revenue	—76	—2,58	2,86	3,28	2,86	2,9[illegible]
Debt Heads—						
Permanent Debt (Net) India	+1	..	+11,70	+94	+11,70	+9[illegible]
Ditto England	—3	—1	—25,24	—6,85	—25,24	—6,8[illegible]
Treasury Bills (Net) India	—6,03	—2,75	—3,59	+9,47	—3,59	+6,0[illegible]
Ditto England	..	..	..	..	..	..
Ways and Means Advances (Net) India	..	..	..	..	..	..
Ditto England	..	..	..	..	..	..
Provincial Transactions (Net)	+1,68	..	—2,24	..	—2,24	..
Other Debt Head Transactions (Net)	+12,86	+4,29	+30,11	+3,54	+30,11	+3,6[illegible]
Total	+8,49	+1,53	+10,74	+7,10	+10,74	+3,7[illegible]
Total Transactions	+4,50	+2,82	+1,74	+2,67	+1,74	+7[illegible]
Revenue less expenditure in Burma not included in the figures in columns 1936-37.	—1,33	..	4,35	..	+4,35	..
Opening Balance	18,19	8,49	15,27	8,64	15,27	(a)8,6[illegible]
Closing Balance	21,36	11,31	21,36	11,31	21,36	9,4[illegible]

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England and India respectively cancel each other.

(*a*) Excludes 12,72 lakhs on account of transfer of balances to Provinces, Burma and Aden

NEW DELHI;

Dated the 9th September 1938.

M. SUBRAHMANYAN,

RESERVE BANK OF INDIA—PUBLIC DEBT OFFICE.

Statement of Government Promissory Notes enfaced for payment of Interest in London, under deduction of amount re-transferred to India, and outstanding in the Books of the Indian Government Rupee Loans Office, Reserve Bank of India on the 31st August 1938.

PARTICULARS.	2½ PER CENT. LOAN.	3 PER CENT. LOANS.			3½ PER CENT. LOANS.					
	1948-52.	1896-97.	BONDS, 1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.
Balance on 31st July 1938	*Nil*	11,29,700	*Nil*	1,06,700	26,42,200	94,97,700	40,54,500	10,93,100	4,35,650	3,30,65,600
Add—										
Amount of Loan Certificate Transferred to Stock in London	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to 16th August 1938.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to 29th July 1938.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Calcutta between 1st and 31st August 1938	...	...	...	...	...	...	...	...	...	...
	Nil	11,29,700	*Nil*	1,06,700	26,42,200	94,97,700	40,54,500	10,93,100	4,35,650	3,30,65,600
Deduct—										
Amount written off in the London Registers	...	10,000	...	...	...	800	...	10,000	...	...
Balance on 31st August 1938	*Nil*	11,19,700	*Nil*	1,06,700	26,42,200	94,96,900	40,54,500	10,83,100	4,35,650	3,30,65,600

PARTICULARS.	4 PER CENT. LOANS.		4½ PER CENT. LOAN.	5 PER CENT. LOANS.				5½ PER CENT. LOANS.		TOTAL.
	BONDS, 1943.	1960-70.	1955-60.	Indian War Loan, 1929-47.	1945-55.	1939-44.	1940-43.	War Bonds, 1928.	1938-40.	
Balance on 31st July 1938	2,00,00,000	5,13,100	8,500	100	24,10,500	4,04,300	5,38,700	100	1,88,000	7,60,88,450
Add—										
Amount of Loan Certificate Transferred to Stock in London	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to 16th August 1938.	...	...	...	...	12,000	...	...	...	...	12,000
Amount enfaced at Bombay up to 29th July 1938.	...	...	...	...	...	1,000	..	...	...	1,000
Amount enfaced at Calcutta between 1st and 31st August 1938	...	1,35,000	...	...	87,500	...	...	...	...	2,22,500
	2,00,00,000	6,48,100	8,500	100	25,10,000	4,05,300	5,38,700	100	1,88,000	7,63,23,950
Deduct—										
Amount written off in the London Registers	...	6,000	4,000	...	7,000	..	...	...	...	37,800
Balance on 31st August 1938	2,00,00,000	6,42,100	4,500	100	25,03,000	4,05,300	5,38,700	100	1,88,000	7,62,86,150

RESERVE BANK OF INDIA,
PUBLIC DEBT OFFICE,
Calcutta, the 9th September 1938.

S. A. RAHIM,
Accountant.

L. PERTWEE,
Manager.

IMPERIAL BANK OF INDIA.

NOTICE.

Calcutta, the 8th September 1938.

The following appointment on the Bank's Staff is hereby notified:—

Mr. Nihal Chand Khanna, Clerk, was in charge of Jaitu Pay Office (in Nabha State) under Ludhiana Branch, from the 15th to the 25th August 1938, inclusive, *vice* Mr. Makhan Lal Taneja.

H. J. FITZ-PATRICK,

Officiating Secretary and Treasurer.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATION.

New Delhi, the 10th September 1938.

No. 01627-E.—Khan Bahadur Mohd. Zahiruddin Ahmad Faruqi, I.S.E., is granted under Fundamental Rule 81 (b) (i) leave on half average pay in India for 2 months in extension of the leave on average pay for 8 months combined with leave on half average pay for 1 month, from 13th December 1937, granted in this office Nos. 01627-E., dated the 18th January 1938, and 14th April 1938.

F. T. JONES,

Chief Engineer.

SURVEY OF INDIA.

Geodetic Branch Office.

NOTIFICATION.

Dehra Dun (U. P.), the 12th September 1938.

No. 5.—In supersession of Notification No. 4, dated 1st July 1938, Mr. Prayag Sharan Shinghal, C.E., Extra Assistant Superintendent, Survey of India, is granted under the Revised Leave Rules, earned leave for 60 days, with effect from the 5th September 1938, with permission to prefix Sunday, the 4th September to his leave.

E. O. WHEELER,

Lt.-Colonel, R.E.,

Director, Geodetic Branch,

Survey of India.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATION.

P. O. New Forest (Dehra Dun), the 10th September 1938.

No. 1029.—Mr. J. N. Sen Gupta, Experimental Assistant Silviculturist, Forest Research Institute, Dehra Dun, is granted leave on average pay for one month and four days, with effect from the 5th September 1938, with permission to prefix and affix Sundays the 4th September and the 9th October 1938 to his leave.

L. MASON,

Inspector General of Forests.

GOVERNMENT OF INDIA.

DEPARTMENT OF MINES.

NOTIFICATION.

Dhanbad, the 8th September 1938.

No. 13151-G.—Mr. Gurbachan Singh Jabbi, Assistant Inspector of Mines, has been granted an extension of earned leave for 23 days, from the 5th September 1938, and permitted to affix to the leave the Durga Puja holidays, from the 28th September to the 9th October 1938 inclusive.

W. KIRBY,

Chief Inspector of Mines in India.

IMPERIAL VETERINARY RESEARCH INSTITUTE, MUKTESWAR.

NOTIFICATION.

Mukteswar-Kumaun, U. P., the 7th September 1938.

No. G./1893.—Mr. D. A. Munro, G.C.V.C., is appointed as Head Laboratory Assistant, Mukteswar, on Rs. 250—20—550 (Efficiency Bar)—25—750 per mensem, on probation for two years, with effect from the 13th June 1938.

J. R. HADDOW,

Officiating Director,

Imperial Veterinary Research Institute.

IMPERIAL LIBRARY.

(Government of India.)

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The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M. Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

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K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 17th September 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE.

NOTIFICATION.

New Delhi, the 13th September 1938.

No. 6902.—Mr. J. N. Mukerji, Assistant Agricultural Chemist, is granted leave on average pay for 12 days, with effect from 16th August 1938.

B. VISWA NATH,

Director.

OFFICE OF COMMISSIONER, CENTRAL EXCISES AND SALT, NORTHERN INDIA.

NOTIFICATIONS.

LEAVE.

Delhi, the 18th August 1938.

No. 100.—Mr. Diwan Chand, Superintendent, is granted an extension of four months' leave on half average pay on Medical Certificate in continuation of and in combination, with the leave sanctioned in this office Notification No. 58, dated the 26th April 1938.

MISCELLANEOUS.

Delhi, the 25th August 1938.

No. 104.—Mr. R. N. Misra, appointed probationary Superintendent, under this office Notification No. 31, dated the 28th August 1937, is declared to have passed the departmental examination prescribed for Superintendents.

(F. 80-Et./37.)

F. C. KING,

Commissioner,

Central Excises and Salt,

Northern India.

ROYAL INDIAN NAVY.

NOTIFICATION.

LEAVE.

Bombay, the 9th September 1938.

No. 55.—Captain E. M. Bayfield, R.I.N., is granted 12 months' combined leave out of India, on private affairs, with effect from 8th September 1938, preparatory to retirement. The first 2 months will reckon as privilege leave.

C. J. NICOLL,

Captain,

for Flag Officer Commanding,

Royal Indian Navy.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 10th September 1938.

No. 109-P.—The services of 4th class Assistant Surgeon A. P. Maruff, I.M.D., are placed at the disposal of the Surgeon-General with the Government of Bengal for civil employment, with effect from the 28th June 1938.

No. 110-P.—The services of Lieut. C. W. E. Frederick, I.M.D., are replaced at the disposal of the Director of Medical Services in India, with effect from the 12th July 1938.

N. M. WILSON,
Major-General, I.M.S.,
Director-General, I. M. S.

CENTRAL ELECTRICITY BOARD.

NOTIFICATIONS.

Simla, the 8th September 1938.

No. A. 803.—In exercise of the powers conferred by Section 37 of the Indian Electricity Act, 1910 (IX of 1910), the Central Electricity Board directs that the following further amendment shall be made in the Indian Electricity Rules, 1937, the same having been previously published as required by Sub-Section (1) of Section 38 of the said Act, namely:—

In Rule 71 of the said Rules, for the words "type of construction" the words "methods of construction" shall be substituted.

No. A. 803.—The following draft of a further amendment to the Indian Electricity Rules, 1937, which the Central Electricity Board proposes to make in exercise of the powers conferred by Section 37 of the Indian Electricity Act, 1910 (IX of 1910), is published, as required by Sub-Section (1) of Section 38 of the said Act, for the information of all persons likely to be affected thereby, and notice is hereby given that the draft will be taken into consideration on or after the 15th December 1938.

Any objection or suggestion which may be received from any person in respect of the said draft before the date specified will be considered by the Central Electricity Board. Such objections or suggestions should be addressed to the Secretary, Central Electricity Board, c/o Labour Department, Government of India, Simla, up to the 19th October and thereafter to New Delhi.

Draft amendment.

For Sub-Rule (2) of Rule 64 of the Indian Electricity Rules, 1937, the following Sub-Rule shall be substituted, namely:—

"(2) All owners of circuits and apparatus connected with any high pressure apparatus to which Sub-Rule (1) is applicable shall ensure that they are marked at frequent intervals with the word "CAUTION", both in English and in the vernacular. All supports of high pressure aerial lines shall be similarly marked".

C. M. KER,
Secretary,
Central Electricity Board.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 7th September 1938.

No. 98-An.—Mr. E. I. Robbins, Assistant Controller of Military Accounts, Lahore, is granted an extension of leave on full average salary, from the 30th September 1938 to the 19th October 1938.

Simla, the 8th September 1938.

No. 1-An.—Mr. J. N. Mukerjee, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, reverted to his substantive grade, with effect from the afternoon of the 31st August 1938.

No. 4-An.—Mr. Arjan Singh, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions, has been granted privilege leave for 2 months and one day, with effect from the 5th September 1938, with permission to prefix Sunday, the 4th September 1938, and affix Sunday, the 6th November 1938, and the gazetted holiday on the 7th November 1938 to this leave.

Simla, the 13th September 1938.

No. 4-An.—Mr. G. R. Gore, an Accountant in the office of the Controller of Military Accounts and Pensions, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the 5th September 1938.

M. R. COBURN,
Military Accountant General.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the undermentioned debtors on dates given in column 1, orders of adjudication in insolvency were made against them by the High Court of Judicature at Madras on the dates given in the last column.

Date of filing. 1	No. of petition. 2	Name and address of the insolvent. 3	Date of adjudication. 4
25th August 1938	219 of 1938	Miss M. Rego and N. Michael Rego, both unemployed, residing at 5/34, Galilaperam Street, Cathedral Post, Madras.	26th August 1938.
31st August 1938	225 of 1938	D. S. Adinarayana Chettiar, unemployed, formerly carrying on business in cloth at Salem, now residing at 90, Acharappam Street, George Town, Madras.	3rd September 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 7th September 1938.

R. JAYARAM,
First Asstt. Registrar.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the creditors in column 3 of the debtors in column 4 on dates given in column 1, orders of adjudication in insolvency against the said debtors were made by the High Court of Judicature at Madras on the dates given in the last column.

Date of filing. 1	No. of petition. 2	Name of the petitioning creditor. 3	Name and address of the insolvent. 4	Date of adjudication. 5
5th May 1938.	138 of 1938	T. M. Kothandapani Naidu	C. M. Sampoornammal, widow of C. R. Murugesa Mudali (deceased), residing at Gana Pathi Vilas, 17, Hunters Road, Vepery, Madras.	1st August 1938.
25th July 1938.	192 of 1938	Seth Meghraj Nevendram	D. L. United Co. by its partners Lalchand Parmanand and Dingamul, carrying on business at 69, Rattan Bazar Road, Madras.	8th August 1938.
4th August 1938.	201 of 1938	Imperial Bank of India	K. V. Seshiah, carrying on business at 2/48, Bunder Street and residing at 5, Ramalinga Mudali Street, Seven Wells-G. T., Madras.	12th August 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 7th September 1938.

R. JAYARAM,
First Asstt. Registrar.

THE EXECUTIVE ENGINEER, WEST COAST DIVISION, CALICUT.

NOTICE.

Calicut, the 23rd August 1938.

Notice is hereby given for the information of the public that the following tombs in the Kottapadiparamba (Malappuram) Cemetery, Malabar District, have fallen into disrepair and require immediate attention. The cost of repairs to restore them to fair condition is about Rs. 15 for each on the average. Interested parties are requested to communicate to the Executive Engineer, West Coast Division, Calicut, Malabar District, South India, to finance the repairs.

1. Private John Mooney of H. M. 94th Regiment, who departed this life on the 24th November 1851. Age 25 years.
2. Private Thomas Smith of H. M. 94th Regiment, who departed this life on the 3rd September 1851. Aged 31 years.
3. Private William Smith of H. M. 94th Regiment, who departed this life on the 17th January 1852. Aged 26 years.
4. Private John Hennessey of H. M. 94th Regiment, who departed this life on the 22nd May 1852. Aged 27 years.
5. Private Charles Byrne of H. M. 94th Regiment, who departed this life on the 22nd May 1852. Aged 29 years.

N. J. JOSEPH,

Executive Engineer, West Coast Division.

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 22nd August 1938.

No. 8727-A./2-E./29-C. T.—Mr. S. A. Khondkar, M.A., B.L., Additional Income-tax Officer, District VI, Calcutta, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 23 days, with effect from the 5th September 1938, with permission to prefix Sunday, the 4th September 1938, and affix the Puja holidays from the 28th September 1938, to the 8th October 1938, and Sunday, the 9th October 1938 to the leave.

S. N. BANERJEA,

Commissioner of Income-tax Bengal.

EAST INDIAN RAILWAY.

NOTIFICATION.

Calcutta, the 6th September 1938.

No. AE. 780/12.—Mr. Q. F. Rahman, Assistant Executive Engineer, Junior Scale, Engineering Department, has been appointed to officiate as Executive Engineer, Senior Scale, in that department, with effect from the 1st August 1938 forenoon.

J. A. BELL,

General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 10th September 1938.

No. 25.—Mr. P. N. Hoon, District Controller of Stores, is granted leave on average pay for 2 months and 17 days, with effect from the 14th September 1938.

W. M. McGREGOR,

Controller of Stores.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 3rd September 1938.

No. 93.—Mr. V. J. Bede, Sleeper Passing Officer, is granted leave on average pay for 4 months, with effect from 1st October 1938, or subsequent date of relief.

Lahore, the 7th September 1938.

No. 94.—Mr. E. B. N. Taylor, V.D., Offg. Chief Engineer, is granted leave (out of India) on average pay for 7 months, with effect from 14th September 1938, or subsequent date of relief.

Lahore, the 8th September 1938.

No. 95.—Mr. L. S. Cave, Divisional Operating Officer, is granted leave (out of India) on medical certificate for 13 months, *viz.*, leave on average pay for 4 months and 11 days, and on half average pay for the remaining period, with effect from the 22nd August 1938.

Lahore, the 10th September 1938.

No. 96.—Mr. H. L. Thorne, Senior Assistant Personnel, I, is granted leave (out of India), for 4 months and 5 days, *viz.*, leave on average pay for three months and 8 days and on half average pay for the remaining period, with effect from 27th October 1938 or subsequent date of relief.

No. 97.—Mr. A. Cornish, Officiating Chief Mechanical Engineer, is granted leave (out of India) preparatory to retirement for 2 years, 1 month and 18 days, *viz.*, leave on average pay for 4 months and 13 days and on half average pay for 1 year, 9 months and 5 days, with effect from 14th September 1938, or subsequent date of relief to 31st October 1940.

This cancels this office Notification No. 85, dated 18th August 1938.

J. MACKINNON,
General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 12th September 1938.

No. 21620-S./2204.—Capt. W. P. Reed, R.E., Assistant Executive Engineer (Junior Scale) was granted 1 month and 19 days leave on average pay, from 13th June 1938.

Capt. W. P. Reed, R.E., Assistant Executive Engineer (Junior Scale) has been appointed to officiate in the Senior Scale, from 6th August 1938.

Mr. S. M. Siddique, Assistant Controller of Stores (Junior Scale) has been granted 2 months and 15 days privilege leave, from 1st September 1938.

Mr. N. C. Killavala, Assistant Depot Superintendent, has been appointed to officiate as Assistant Controller of Stores (Lower Gazetted Service), from 1st September 1938.

J. H. F. RAPER,
General Manager.

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(2) Prices are inclusive of packing and Indian postage.

ACTS AND LAW BOOKS.

Acts.

1908.

VI.—EXPLOSIVE SUBSTANCES. *As. 2 or 3d.*

1938.

XII.—DURGAH KHAWAJA SAHIB (AMENDMENT) ACT. (In Urdu). *As. 3 or 4d.*

XVII.—TRADE DISPUTES (AMENDMENT) ACT. (In Urdu). *As. 2 or 3d.*

XIX.—CHILD MARRIAGE RESTRAINT (SECOND AMENDMENT) ACT. (In Urdu). *Anna 1 or 1½d.*

ACTS AND LAW BOOKS—*contd.*

General.

EFFECT OF LEGISLATION—

LD.11.37. 1937. *As. 8 or 10d.*

MANUAL OF BUSINESS AND PROCEDURE—

LD.13.4 Council of State. Fourth Edition. Corrected upto 13th September 1937. *Rs. 3-2 or 5s. 6d.*

LAD.2.5. Legislative Assembly. Fifth Edition, 1938. *Rs. 3 or 5s.*

Unrepealed Central Acts.

UNREPEALED CENTRAL ACTS, *1938*—

RO.51.II. Vol. II—From 1872 to 1881, both inclusive, with chronological Table and Index. *Rs. 3-4 or 5s. 6d.*

AGRICULTURE AND FORESTRY.

AGRICULTURE AND LIVESTOCK IN INDIA—

ICAR.1.VIII.4. Vol. VIII, Part IV, July 1938. *Rs. 2 or 3s. 6d.*

Contents :—

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International Scientific Congresses and Conferences.

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T. F. Quirke, M.R.C.V.S., I.V.S.

ORIGINAL ARTICLES—

Col. Sir Arthur Olver, C.B., C.M.G., F.R.C.V.S. — An Appreciation.

Sons of the Soil. (Studies of the Indian Cultivator). XI. The Bihar Cultivator. (Sethi).

Sons of the Soil. (Studies of the Indian Cultivator). XII. The Sind Cultivator. (Jenkins).

Tick Fever in Domesticated Animals in India. (Ray).

The Value of *Aus* Paddy Straw as a Fodder. (Chatterjee and Abdul Hye).

Preliminary Note on the Behaviour of Rice *Kura* (Bran) as a Cattle Feed. (Carbery and Chatterjee).

Genetic Improvement of Wheat in Bombay I. Bansipalli—808. (Kadam and Kulkarni).

Problems of Potato Breeding in India. (Pal).

Biological Eradication of *Kans* (*Saccharum spontaneum*) in Field Patches. (Tambe and Wad).

A Study of Surti Buffaloes reared at the Poona Agricultural College Dairy. (Dave).

The Chemical Composition of 'Butter-milk'. (Ranganathan and Narasimhamurty).

INDIAN FOREST RECORDS.

SILVICULTURE SERIES (NEW)—

FRI.24.III.1. Vol. III, No. 1.—An investigation into the best root length of stump to use when stump planting Teak (*Tectona Grandis*) in areas having a general West Coast type of climate. *As. 8 or 10d.*

UTILIZATION SERIES (NEW)—

FRI.25.I.4. Vol. I. No. 4.—A note on protecting Indian Structural Timbers Against Fire. Termites and fungi. (Rot). *As. 7 or 9d.*

MISCELLANEOUS BULLETINS—

ICAR.8.19. No. 19.—A Preliminary Annotated List of Fruit Pests of the North-West Frontier Province. *Re. 1 or 1s. 9d.*

ICAR.8.20. No. 20.—Report on an enquiry into the Cultivation of Cloves in India. *Rs. 2-4 or 3s. 9d.*

ARTS AND SCIENCES.

Archaeology.

MEMOIRS OF THE ARCHAEOLOGICAL SURVEY OF INDIA—

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Education.

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Meteorology.

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DGO.1.12.35. December 1935, Vol. VIII, Part 12. *Rs. 7-14 or 13s.*

Zoology.

RECORDS OF THE INDIAN MUSEUM—

ZSI.5.XXXIX. Vol. XXXIX, 1937—Index. *As. 8 or 10d.*

CIVICS AND ADMINISTRATION.

Administration and Departmental Reports.

AJMER-MERWARA—

CAM.2.37. Administration Report, 1936-37. *Rs. 8-6 or 13s. 3d.*

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MINTS AT CALCUTTA AND BOMBAY—

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Civil Lists.

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CMD.1.II.38. 1st July 1938. *Re. 1-6 or 2s.*

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PISF.1.II.38(N). July 1938. *Re. 1-10 or 2s. 9d.*

WESTERN INDIA STATES AGENCY—

AGGWI.1.38. Civil List and other information. Corrected upto the 1st January 1938. *Rs. 4-8 or 7s. 6d.*

General.

POLICY IN PALESTINE—

HD.19. Despatch dated 23rd December 1937 from the Secretary of State for the Colonies to the High Commissioner for Palestine. *As. 2 or 2d.*

CIVICS AND ADMINISTRATION—*contd.*

Politics.

DEBATES—

COUNCIL OF STATE—

CS.4.I.38. Index, Vol. I, 1938 (14th February to 8th April 1938). *As. 14 or 1s. 6d.*

LEGISLATIVE ASSEMBLY—

LAD.5.I-III.38. Index, Vols. I to III, 1938. (31st January to 12th April 1938). *Rs. 3-2 or 5s. 6d.*

LAD.6.IV.1.38. Vol. IV, No. 1, 8th August 1938. *Annas 5.*

LAD.6.IV.2.38. Vol. IV, No. 2, 9th August 1938. *Annas 5.*

LAD.6.IV.3.38. Vol. IV, No. 3, 10th August 1938. *Annas 5.*

LAD.6.IV.4.38. Vol. IV, No. 4, 12th August 1938. *Annas 5.*

ENGINEERING.

General.

INDIAN ROADS MAGAZINE—

PRE.1.XIII(N). June 1938. *Re. 1 or 1s. 9d.*

FINANCE.

Budget.

CENTRAL GOVERNMENT BUDGET—

FD.16.39. 1938-39. *Re. 1-8.*

General.

STANDING FINANCE COMMITTEE—

Proceedings of the meeting of the—

RAILWAYS—

PRB.28.XV.2(N). Vol. XV, No. 2, 5th and 6th July 1938. *As. 8 or 9d.*

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PUBLIC HEALTH—

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HC.2.II.36. Vol. II, 1936. *Re. 1-10 or 2s. 9d.*

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ROYAL CORPS OF SIGNALS—

MO-R 90 (N) A line Section, Regular Army and Supplementary Reserve Units, 1938, Part 2, Section 13-F. *[not for sale].*

MO-R 91 (N) Headquarter Corps Medium and Artillery Signal Sections, Regular Army, 1938, Part 2, Section 13 (*i*). *[not for sale].*

ARMY (INDIA)—

MCR-R 309 (N) **COLLEGES AND SCHOOLS,** *1938*, Part 2, Section VIII-C. *Re. 1-4 or 2s.*

MCR-R 312 (N) **INDIAN ARMOURED CAR REGIMENT,** *1938*, Part 2, Section II-E [Provisional]. *Re. 1-10 or 2s. 9d.*

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EQUIPMENT REGULATIONS—*contd.*

ARMY (INDIA)—*contd.*

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TERRITORIAL ARMY (WAR OFFICE)—

MO-R 94 (N) **ROYAL ENGINEER DETAILS**, 1938, Part III, Sec. X-A. [*not for sale*].

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QUESTION PAPERS—

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MO-H 53 (N) Q. F. 4·7-Inch Gun (Fixed Armaments) (Land Service), 1904. (War Office). [*not for sale*].

MAF-P 144 (N) **INDIAN AIR FORCE.** Conditions of Service, Rates of Pay, etc., of Airmen of the Combatant Branch (other than Mechanical Transport Drivers), 1938. *Anna 1 or 1 1/2d.*

MGS-N 23 (N) **INTELLIGENCE PUBLICATIONS. NOTES ON THE COMPILATION OF** ——, 1938. [*not for sale*].

LIST OF CHANGES IN WAR MATERIAL AND OF PATTERNS OF MILITARY STORES FOR H. M.'S ARMY SERVING IN INDIA—

MO-LC 8/38 (N) August 1938. [*not for sale*].

MEDAL AWARDS, ETC., LONG SERVICE AND GOOD CONDUCT (War Office)—

MAJ-L 13 (N) April 1938. [*not for sale*].

MEDICAL SERVICES. LIST OF OFFICERS—

MDGM-LO 6/38 (N) June 1938. *As. 8.*

M. E. S. POCKET BOOK—

ME-M 11 (N) 1938. [*not for sale*].

MMA-M 14 (N) **MEMORANDUM OF INFORMATION.** Issued for the guidance of Military Officers and others proceeding out of India. (Referred to in para. 61, Financial Regulations, Part I), 1938. [*not for sale*].

MILITARY ACCOUNTS DEPARTMENT. LIST OF OFFICERS—

MMA-L 15 (N) July 1938. *As. 8 or 9d.*

MILITARY—*contd.*

PEACE ESTABLISHMENTS (War Office)—

REGIMENTAL ESTABLISHMENTS OF THE REGULAR FORCES, PART I—

MAJ-P 23 (N) 1937-38. [*not for sale*].

PRICE LIST OF ROYAL AIR FORCE EQUIPMENT (India)—

MAF-I 25 (N) AEROPLANES, AEROPLANE ENGINES, MISCELLANEOUS AEROPLANE SPARES AND CASES, 1938, Part II, Secs. 25-A, 25-B, 27-A, 28-A, 35, 38, 40-B and 40-C. [*not for sale*].

RANGE AND ELEVATION SCALES—

MO-R 88 (N) Q. F. 3-PR. HOTCHKISS AND NORDENFELT GUNS, MARK I. (40/W. O./824). [*not for sale*].

RANGE AND PROJECTION SCALES—

MO-R 86 (N) B. L. 6-INCH GUNS, MKS. VII AND XXI, FOR VELOCITIES 2700 F. S. TO 2300 F. S. (*26*/Manuals/1080). [*not for sale*].

MO-R 87 (N.) Q. F. 12-PR. 12-CWT. GUN, MARK I. (40/W. O./2408). [*not for sale*].

RANGE TABLES—WAR OFFICE—

Q. F. 3-INCH, 20-CWT. GUNS, ALL MARKS. (HIGH ANGLE FIRE)—

MO-R 93 (N) Modifications for use at High Altitudes projectile: H. E. Mark II-B, C. R. H. : 6, Fuze : No. 199, 1938. (70/Guns/255). [*not for sale*].

MO-R 89 (N) Q. F. 4·7-INCH GUN, MARKS I TO IV* (Revised). (40/W.O./1475). [*not for sale*].

REGULATIONS—

ROYAL AIR FORCE—

MAF-K 6 (N) King's Regulations and Air Council Instructions with Appendices and Index, 1937 (war office). [*not for sale*].

ROYAL AIR FORCE—

MAINTENANCE SCHEDULE (INDIA)—

MAF-A 17 (N) WAPITI II-A WITH JUPITER VIII, VIII-F, AND VIII-F/P ENGINES, Air Publication 1386, Vol. II, Part 2, 1938. [*not for sale*].

RULES—

MGS-R 129 (N) OFFICIAL DOCUMENTS AND CORRESPONDENCE. RULES FOR THE SECURITY OF —, 1938. [*not for sale*].

TRAINING MANUALS—

SMALL ARMS TRAINING, VOLUME I—PAMPHLETS—

MGS-S 156 (N) No. 11, 1937 (Roman-Urdu)—Pistol (·455 Inch). *As. 2 or 3d.*

VOCABULARY OF ORDNANCE STORES—

SECTION H-1.—OILS, PAINTS, CHEMICALS AND THEIR CONTAINERS—

MCR-V 153 (N) India, 1938. [*not for sale*].

SECTION Q-1.—S. A. A. AND MACHINE GUN AMMUNITION, SHELL FUZES, TUBES, PRIMERS, FIREWORKS (EXPLOSIVES)—

MCR-V 158 (N) India, 1938. [*not for sale*].

VOCABULARY OF ROYAL AIR FORCE EQUIPMENT, PRICED (AIR MINISTRY)—

MAF-P 145 (N) PART XII.—(SECTIONS 28 and 29) A. G. S. AND GENERAL HARDWARE, 1938. [*not for sale*].

WAR EQUIPMENT TABLES (INDIA) (NEW SERIES)—

SAPPERS AND MINERS—

ARMY TROOPS COMPANY, 1938—

MCR-W 1/207 (N) I. A. F. F.-980-69-A. [*not for sale*].

TRADE AND COMMERCE.

General.

AGRICULTURAL STATISTICS—

DGCIS.26.37. British India, 1936-37 (Provisional). *As. 6 or 8d*

AGRICULTURAL STATISTICS OF INDIA—

DGCIS.6.I.36. 1935-36. Fifty-second Issue—Volume I. Area, Classification of Area, Area under Irrigation, Area under Crops, Live-stock, Land Revenue Assessment and Harvest Prices in British India. *Rs. 8 or 13s. 6d.*

CROP FORECASTS, 1937-38—

WHEAT—

DGCIS.29.7.5.38. Final General Memorandum. *As. 3 or 4d.*

SUGAR INDUSTRY OF INDIA—

DGCIS.34.37. Review, 1936-37 (Supplement to the Indian Trade Journal, July 21, 1938). *As. 8 or 9d.*

Industrial.

MANUFACTURE OF SOAP IN INDIA—

IRB.2.12. (Bulletin of Indian Industrial Research No. 12). *Re. 1 or 1s. 6d.*

STANDARD SPECIFICATION—

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R 28 A-38 Lavatory Fittings for Upper Class Carriages.

INDIAN STORES DEPARTMENT. *As. 8 or 10d.*

H-42 B Fixed Condensers, Metal cased for Telephones and Telegraphs. Revised. June 1938.

List No. 10, July 1938. [Gratis Issue].

Marine.

INDIAN MERCANTILE MARINE TRAINING SHIP "DUFFERIN"—

IMMTS.1.38. Prospectus, 1938. *Re. 1-4 or 2s.*

Periodicals.

BUSINESS CONDITIONS IN INDIA—

MONTHLY SURVEY—

DGCIS.40.6.38. June 1938. *Re. 1-10 or 2s. 9d.*

COTTON SPINNING AND WEAVING IN INDIAN MILLS—

DGCIS.12.3.38. March 1938. *As. 10 or 1s. each*

DGCIS.12.4.38. April 1938.

EXPORTS OF INDIAN ARTWARE AND SPORTS GOODS—

DGCIS.14.5.38. May 1938. *Re. 1-2 or 2s.*

INDIAN CUSTOMS AND CENTRAL EXCISE REVENUE—

DGCIS.15.7.38. July 1938. *Anna 1 or 1 1/2d.*

JOINT STOCK COMPANIES—

DGCIS.17.3.38. March 1938. *As. 10 or 1s.*

PATENT OFFICE JOURNAL—

P & D.6.37. 1937. *Rs. 10-12 or 17s.*

TRADE AND NAVIGATION—

BRITISH INDIA. MONTHLY ACCOUNT RELATING TO COASTING—

DGCIS.11.5.38. May 1938. *Rs. 4 or 6s. 9d.*

SEA-BORNE—

DGCIS.13.6.38. June 1938. *Re. 1-6 or 2s. 3d.*

TRADE AT STATIONS ADJACENT TO LAND FRONTIER ROUTES— *As. 14 or 1s. 6d. each.*

DGCIS.18.4.38. April 1938.

DGCIS.18.5.38. May 1938.

TRADE OF INDIA—

INLAND RAIL AND RIVER-BORNE, ACCOUNTS RELATING TO—

DGCIS.19.4.38. April 1938. *Rs. 2-2 or 4s.*

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TRADE STATISTICS—

MARITIME STATES IN KATHIAWAR AND THE STATE OF TRAVANCORE—

DGCIS.20.5.38.	May 1938.	*Rs. 3-6 or 5s. 9d.*
	RAW COTTON—	
DGCIS.21.4.38.	April 1938.	*Re. 1-12 or 3s.*
	Report and Proceedings.	

MARITIME TRADE—

SIND—

CBR.35.38.	Report on —, 1937-38.	*Re. 1-2 or 2s.*

SEA-BORNE TRADE OF THE BOMBAY PRESIDENCY EXCLUDING SIND—

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REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, SEPTEMBER 24, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 24th September 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

September 12, 1938.

25668. Alliance Metal & Rubber Manufacturing Co. Improved roller coverings for textile spinning.

25669. A. Beckius. Building suitable for countries liable to earthquakes.

25670. P. Shaw. Improvements relating to blocks for road surface marking.

25671. J. W. Allen, E. E. Kent and H. W. Packer. Improvements in articles of manufacture from bast or leaf fibres, and process for making the same.

25672. C. N. Mims. A method and means for cleaning and feeding kapok or other staple fibres.

25673. G. Bradshaw. Improvements in or relating to screw-driving tools. (September 13, 1937).

25674. Electric & Musical Industries, Ld. Improvements in or relating to cathode ray tubes. (September 13, 1937).

25675. M. J. Baskin. Non-specific spermatoxic vaccine, and process of producing same. (September 24, 1937).

25676. Stewart & Lloyds, Ld. Process for the manufacture of metal tubes of push bench apparatus.

September 13.

25677. Hafta Handelsgesellschaft Fur Techn. Neuheiten m. b. H. Improvements in easily deformable tubular bodies with cemented on rigid closing elements.

25678. Hafta Handelsgesellschaft Fur Techn. Neuheiten m. b. H. Method for the production of water-proof cellulose vessels, especially cellulose tubes and cellulose bottles.

September 14.

25679. C. Twynam and F. G. Cahill. Automatic safety latch for railway carriage doors.

25680. C. F. Jones. Improvements in in-door games.

25681. Standard Telephones and Cables, Ld. Improvements in or relating to telephone receivers. (October 12, 1937).

September 15.

25682. M. Vogel-Jorgensen. A process for the froth flotation of an oxidised ore or an alkaline earth mineral. (September 18, 1937).

25683. Kailash Narayan. Improvements in and relating to hydraulic cement and its manufacture.

25684. Edeleanu Gesellschaft m. b. H. Improvements in the separation of constituents of hydrocarbon oils and the like. (August 17, 1938).

25685. Valsts Elektrotechniska Fabrika. Improvements in photographic apparatus. (December 2, 1937).

September 16.

25686. A. M. Patel. Improvements in or relating to the production of material patterned in colour. (March 22, 1938).

25687. The General Electric Co., Ld. Improvements in electric discharge lamps adapted for use as sources in optical projection apparatus. (October 8, 1937).

25688. The General Electric Co., Ld. Improvements in electric discharge lamps adapted for use as sources in optical projection apparatus. (October 20, 1937).

25689. I. G. Farbenindustrie Aktiengesellschaft. New media for promoting the growth of plants. (August 8, 1936). [Divisional Date 7th August 1937].

25690. I. G. Farbenindustrie Aktiengesellschaft. New media for promoting the growth of plants. (August 10, 1936). [Divisional Date 9th August 1937].

Alteration of Date.

(I)

24457. The claim to priority date 25th September 1936 has been disallowed and the application dated as of 24th September, 1937, the date of filing in India.

(II)

24639. The claim to priority date 11th November 1936, has been disallowed and the application dated as of 15th November, 1937, the date of filing in India.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24420. A. R. Khan. Improvements in or relating to driving means or weight power storing machine. *Series of pulleys with wound rope carrying weights mounted on shaft, drop of weight of one pulley rotating next pulley.*

24430. Standard Telephones and Cables, Limited. Carrier and speech transmission system. *Separate filters for talking and listening circuits.*

24431. Standard Telephones and Cables Limited. Improvements in or relating to insulators for supporting transmission wires. *Insulator with 'S' shaped holes for transposing wires.*

24457. The General Electric Company Limited. Improvements in or relating to High Pressure Metal-Vapour Electric Discharge Lamps. *Open ended hood above the electrodes.*

24498. B. Nier. Improvements in and relating to the burners of hurricane lanterns. [Addition to No. 22140]. *One piece flame plate with cylindrical walls which fit burner cap.*

24517. S. Pribil. Optical Illusion Apparatus. *Compartments enclosing grey or coloured glass plate and having observation aperture with arrangement for light in each compartment.*

24608. M. L. Davys, and C. Scott-Snell. Improvements in means for promoting combustion in oil burning appliances. (November 6, 1936). *Imperforate flame plate continuous with one wall of mixture chamber and a deflector beside opposite wall.*

24639. The General Electric Co. Ld. Improvements in or relating to high-pressure metal vapour electric discharge lamps. *Temperature of surface over which 75% radiation falls does not vary by as much as 15° C., and the mean temperature lies between 130° C. and 300° C.*

24682. Crompton Parkinson Ld. Improvements in and relating to electrical discharge lamps. (December 1, 1936). *Enclosed liquid serves to cool lamp.*

24858. S. S Wrightson. Improved rail chairs or tie plates. *Jaw or lug, channel section in plan, secured to sole plate by rivetting.*

24885. Radio Corporation of America. Improvement in antiground noise recording system. *Exposing a variable area of the film in accordance with sound vibrations and in addition exposing a margin near the edge of the exposed area.*

24903. Wire-Wound Gas Containers Ld. Improvements relating to containers for compressed gases. *Two metal parts welded together along joints extending longitudinally, and reinforced.*

24991. Hannoversche Maschinenbau-Actien-Gessellschaft vormals Georg Egestorff (Hanomag). Improvements in apparatus for operating dust-fuelled engines. *In combination a spherical mixing chamber, a tangential inlet with a dust feed drop pipe, an air feed pipe, an outlet and at least one injector nozzle.*

24997. The Dorr Co. Inc. Flocculation and sedimentation apparatus. *Flocculating unit concentrically and wholly within sedimentation chamber.*

25053. Siemens-Schuckertwerke Aktiengesellschaft. Improvements in or relating to, steam power plant. (December 31 1937). *Dividing the engine plant into high an low pressure engines operating in parallel to compensate the power shortage.*

25056. S. Milne. Improvements in machines for cutting grass, bamboo, cane and the like, for example in the paper making industry. *Cutting faces are convex arched or ridged transversely to have a higher part at or near the central plane of the cutter.*

25071. The Superheater Co. Ld. Improvements in steam superheaters for locomotive and like smoke tube boilers. *Saturated and superheated steam headers having ducks in open communication with finger chambers.*

25079. Glareless Lamps Ld. Improvements in or relating to electrical systems. (June 18, 1937). *Electromagnetic device connected in the circuit in series with a treating filament.*

25108. Peirce, Leslie and Co. Ld. Improved process and apparatus for the extraction of liquid from cashew nut shells. (June 10, 1937). *Treating with superheated steam.*

25112. The General Electric Co. Ld. Improvements in combinations of electric discharge devices with materials excited to luminescence by the discharge through them. (April 7, 1937). *Quartz envelope and cadmium sulphide and calcium tungstate as luminescent materials.*

25120. Titangesellschaft m. b. H. Improvements in the hydrolytic precipitation of titanium compounds and the manufacture of titanium pigments. *Hydrolysing solution of titanium compound in the presence of a sol. of titanium compound having univalent anions.*

25139. Chemical Works formerly Sandoz. Process for the preparation of Inoculation Material. *Cultures of pathogenic organism dried at below 0° C. in high vaccum and killed in absence of water.*

25143. N. F. Brown. Improved method of and apparatus for raising natural oils and other liquids by gaseous pressure. (April 19, 1937). *Pumping operation independent of self-actuating member operated from the top of the well.*

25282. International General Electric Co. of New York, Ld. Improvements in or relating to light sources and methods of producing the same. *Coating of fluorescent material comprising MgO and WO_3 in the proportion to form Mg_2 WO_5.*

25305 Dunlop Rubber Company (India) Ld. Improvements in Tractor Wheels. (June 17, 1937). *Greater diameter member for supporting strakes and lesser diameter member constituting hub connected by conical web.*

25310. G. Schoenberg. Improved process for preparing stable disinfecting agents. *Acid thiocyanate solutions containing small quantities of metals capable of forming sulphides.*

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30 should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23966. Humoco Corporation.
23979. Sub-Conductor Carter.
24009. Photosculpture, Ld.
24226. I. G. Farbenindustrie Aktiengesellschaft.
24373. Imperial Chemical Industries, Limited.
24528. Max Factor & Co.
24529. A. M. Byers Co.
24549. Seri Holding S. A.
24632. Imperial Chemical Industries, Ld.
24700. May and Baker, Ld.
24819. J. Stone & Co. (India), Ld.
24837. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag).
24859. Wagner.
24864. N. V. Phillips' Gloeilampenfabrieken.
24871. Fraser and Douglas Fraser & Sons, Ld.
24879. Chaubal.
24904. Wire-Wound Gas Containers, Ld.
24914. The Continental Investment Syndicate, Ld.

Patents Sealed.

23866. Bakelite, Ld.
23871. Ray.
23897. Elektro-Thermit G. m. b. H.
24007. Willis.
24053. Alma Motor Co.
24184. Woodard.
24395. Roes.
24539. Joseph Crosfield & Sons, Ld.
24555. Winmill and Kirwan.
24564. Reklamaktiebolaget Epok.
24598. Marconi's Wireless Telegraph Co. Ld.
24602. Mountstephen, Wood and Spence.
24623. Bjorck.
24664. Executors of James Mills, Ld.
24781. Society of Chemical Industry in Basle.
24789. Universal Oil Products Co.
24808. Blakemore and Lancashire Metal Subliming Corporation, Ld.
24809. N. V. De Bataafsche Petroleum Maatschappij.

Registration of Assignments, Licences, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

No. 16498. Andrew Yule & Co. Ld.
Nos. 12135, 15324, 16641, 16898, 17260, 17444, 17500, 17619, 17632, 17633, 17634, 18538, 18729, 19106, 19423, 19475 and 19796. N. V. Internationale Hydrogeneeringsoctrooien Maatschappij (International Hydrogenation Patents Company).
Nos. 20507 and 20510. Mono Containers, Ld.
No. 22620. Max Goldmann.
No. 23691. Turner & Newall, Ld.

Amendment Proceedings.

I

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Fernand Gauchard, of 51, Rue De La Bienfaisance, Vincennes, France, seeks leave to amend the specification in respect of his patent No. 22817. Any person desirous of opposing the application for amendment should, at any time within three months from the date of this Gazette, give notice of his intention to do so in the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta. The proposed amendments are as follows :—

In the printed specification—

Page 1, line 10, *for* the " full-stop " *after* the word " contact " *substitute* a comma ; and *add* " although in the case of some liquids the particles may eventually vaporise, depending on the temperature and pressure conditions of the gas in which they are suspended."

Page 2, *after* line 8 *insert* the following as a new paragraph :—

" It has further been proposed according to prior specification of United Kingdom Patent No. 221827, to provide a device in which atomisation of liquids into a highly divided condition is stated to be obtained by the use of successive atomisation stages whereby the particles are progressively broken up."

Page 2, line 15, *for* " stable liquid particles " *substitute* " stable particles of the liquid ".

Page 2, line 17, *for* " unstable liquid particles " *substitute* " unstable particles of the liquid ".

Page 2, line 24, *for* " through a jet " *substitute* " through an atomising jet ".

Page 2, line 25, *for* " stable liquid particles " *substitute* " stable particles of the liquid ".

Page 2, line 27, *for* " stable liquid particles " *substitute* " stable particles of the liquid ".

Page 2, line 29, *for* " unstable liquid particles " *substitute* " unstable particles of the liquid ".

Page 2, *after* line 29, *insert* the following as a new paragraph :—

" The expression ' gas ' when used herein to denote the compressed gas employed for expelling the liquid to be atomised through the atomising jet, means a substance in gaseous form and at a temperature at which the liquid being atomised does not readily vaporise under the conditions of operation and which does not otherwise operate to prevent the formation of the said liquid into particles."

Page 2, line 34, *for* " or the blades or " *read* " or the blades of ".

Page 2, line 53, *after* the word " apparatus " *insert* " a comma ".

Page 3, line 9, *after* the word " spray " *insert* " a comma ".

Page 3, line 48, *after* the word " them " *insert* " a comma."

Page 4, line 46, (Claim 1) *for* " through a jet " *substitute* " through an atomising jet ".

Page 4, line 47, *for* " stable liquid particles " *substitute* " stable particles of the liquid ".

Page 4, line 50, *for* " unstable liquid particles " *substitute* " unstable particles of the liquid ".

Page 4, line 51, *delete* the comma *after* the word " passage ".

Page 4, line 60, *for* " through a jet " *substitute* " through an atomising jet ".

Page 4, lines 61-62, *for* " stable liquid particles " *substitute* " stable particles of the liquid ".

Page 5, line 2, *for* " stable liquid particles " *substitute* " stable particles of the liquid ".

Page 5, line 3, *for* " unstable liquid particles " *substitute* " unstable particles of the liquid."

II

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that the General Electric Co. Ld., of Magnet House, Kingsway, London, W.C. 2, England, seek leave to amend the specification in respect of their patent No. 22887. Any person desirous of opposing the application for amendment should, at any time within three months from the date of this Gazette, give notice of his intention to do so in the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta. The proposed amendments are as follows :—

In the printed specification—

Page 1, line 1, *after* the word " type " *add* " adapted to be run at voltages greatly exceeding mains voltages."

Page 1, line 2, *after* the word " passes " *add* " between cold electrodes."

Page 1, line 3, *for* the comma *after* the word " vessel " *substitute* a full-stop ; and *delete* the words " and more ".

Page 1, *delete* lines 4-5.

Page 1, line 22, *for* " certain discharges which emit " *read* " a certain discharge which emits ".

Page 1, line 24, *for* " for example " *substitute* " namely ".

Page 1, lines 24-25, *after* the word " neon " *insert* a full-stop ; and *delete* " or other rare gas.".

Page 1, line 30, *for* the full-stop *after* the word " mercury " *substitute* a comma ; and *add* " so that the resultant light is of an agreeable colour and of high efficiency."

Page 2, *delete* lines 1-6.

Page 2, *delete* line 7 ; and *substitute* " we have found further that the luminescent materials which are best associated with the neon discharge in lamps of the type specified are zinc silicate, in".

Page 2, line 8, *delete* the words " or in " and *add* " and calcium ".

Page 2, *delete* line 9.

Page 2, line 11, *for* the words " these other agents " *substitute* " the neon discharge ".

Page 2, lines 14-17, *delete* the sentence "Of the gases whose spectrum..........the luminescent light.".

Page 2, *delete* lines 21-31.

Page 2, lines 32-33, *delete* the sentence " In some of the............tungstate.".

Page 2, lines 45-48, *delete* the sentence " In the aforesaid..........tungstate " and *add* the following :—

" In order that these colours may be obtained, the gas pressure and the current density are to be chosen so that the ratio of secondary to primary light is such as to give these colours. As the current density at a given pressure is increased, the said ratio generally decreases. When the current density is sufficiently small, the ratio is so great that the colour of the resultant light is approximately that of the secondary light ; when the current density is sufficiently great, the ratio is so small that the colour of the resultant light is approximately that of the primary light. The ratios that give the said colours lie between these extremes.

The pressure and current density giving the optimum ratio for the purpose of the invention usually lies within the range within which cold cathode neon discharge tubes are usually operated. These tubes are usually 10-25 mm. in diameter, are filled with neon to a pressure of 2-10 mm. of mercury and operated at 20-100 mA., the current density being between 50 and 20 mA/cm.^{2} In one case of a tube according to the invention filled with neon to 5 mm. pressure and having willemite as the luminescent material, the current density giving optimum ratio of secondary to primary light for the production of yellow resultant light was 40 mA/cm^2, when the diameter was 11 mm., and 25 mA/cm.^{2} when the diameter was 20 mm.

The term " high efficiency " hereinbefore and hereinafter means a total luminous efficiency not less than 12·5 lumen/watt, which may be taken as the average efficiency of tungsten filament lamps for domestic use."

Page 2, *delete* lines 50-60 (Claims 1-3) and *insert* the following as Claim 1 :—

" 1. An electric lamp of the type specified, wherein the said electric discharge is a discharge through neon, and wherein the said luminescent material is calcium tungstate only whereby the resultant light from the lamp is pink and of high efficiency."

Page 3, *re-number* Claims 4, 5 and 6 as Claims 2, 3 and 4 respectively.

Page 3, line 1 (in the newly re-numbered Claim 2) *delete* "according to Claim 2" and *substitute* "of the type specified wherein the said discharge is a discharge through neon and ".

Page 3, line 3, *after* the word "yellow" *add* "and of high efficiency ".

Page 3, line 4 (in the newly re-numbered Claim 3) *for* ", according to Claim 2, in which" *substitute* "of the type specified wherein the said discharge is a discharge through neon and wherein."

Page 3, line 6, *after* the word "white" *add* "and of high efficiency."

Renewal Fees Paid.

PATENTS.

9823. Casale. (To 13th November 1939).
9920. Minerals Separation Ld. (To 20th December 1939).
10456. Mitchell and anr. (To 11th December 1939).
11669. Taylor. (To 16th September 1939).
11928. James. (To 21st December 1939).
13589. Wiggins. (To 5th September 1939).
13648. Marconi's Wireless Telegraph Co. Ld. (To 2nd October 1939).
13709. Marconi's Wireless Telegraph Co. Ld. (To 19th October 1939).
13710. Marconi's Wireless Telegraph Co. Ld. (To 19th October 1939).
13796. Mitchell and anr. (To 24th November 1939).
13827. The Dunlop Rubber Co. Ld. (To 30th November 1939).
14178. The Anode Rubber Co. Ld. (To 23rd December 1939).
14890. Franklin Baker Co. (To 8th October 1939).
14959. Dunlop Rubber Co. Ld. (To 3rd November 1939).
14988. Pawlikouski. (To 13th November 1939).
15054. Kirloskar. (To 26th November 1939).
15127. Societa Invenzione Brevetti Anonima-Torino. (To 17th December 1939).
16057. Macnab. (To 25th July 1939).
16301. Dunlop Rubber Co. Ld. (To 14th November 1939).
16311. Filtration & Water Softening Proprietory, Ld. (To 29th October 1939).
16486. Dunlop Rubber Co. Ld. (To 7th December 1939).
16506. Mitchell and anr. (To 31st December 1939).
16577. Forssman. (To 2nd January 1940).
16789. Wrench. (To 28th November 1939).
17553. George Turton Platts & Co. Ld. and anr. (To 25th November 1939).
17874. Fried Krupp Grusonwerk Aktiengesellschaft. (To 17th December 1939).
18400. Marconi's Wireless Telegraph Co. Ld. (To 20th October 1939).
18437. John Levick Ld. (To 27th October 1939).
18480. Mitchell and anr. (To 29th December 1939).
18521. J. W. Roberts Ld., and anr. (To 1st December 1939).
19081. Mitchell and anr. (To 30th November 1939).
19209. Mitchell and anr. (To 1st December 1939).
19225. Camps. (To 21st September 1939).
19232. Camps. (To 21st September 1939).
19360. British Acoustic Films Ld. (To 1st December 1939).
20227. Wallace & Tiernan Products Inc. (To 11th September 1939).
20252. Jessop & Co. Ld. (To 20th September 1939).
20278. Universal Oil Products Co. (To 5th October 1939).
20322. The Distillers Co. Ld. and ors. (To 23rd October 1939).
20417. International Latex Processes Ld. (To 27th November 1939).
20418. Dr. Kreidl. (To 28th November 1939).
21182. Skinner. (To 17th September 1939).
21220. Standard Telephones & Cables Ld. (To 1st October 1939).
21286. Ateliers Neyret-Beylier and Piccard-Pictet. (To 26th October 1939).
21287. Ateliers Neyret-Beylier and Piccard-Pictet. (To 26th October 1939).
21288. Ateliers Neyret-Beylier and Piccard-Pictet. (To 26th October 1939).
21291. Naamlooze Vennootschap Chemische Fabriek "Servo". (To 26th October 1939).
21435. I. A. C. Societa per l' Industria Articoli di Caoutchoue e per Materiali Protettivi e Antigus. (To 6th December 1939).
21473. Remfry & Son. (To 17th December 1939).
21512. Vereinigte Deutsche Metallwerke A. G. (Zweiguiedesiassung Suddentsche Metallindustrie). (To 2nd January 1940).
21760. George Turton Platts & Co. Ld. and anr. (To 4th October 1939).
21915. Fried Krupp Grusonwerk A. G. (To 22nd November 1939).
21916. Fried Krupp Grusonwerk A. G. (To 7th December 1939).
22068. British "New Wrap" Co. Ld. (altered to British Rayphane Ld.) (To 21st November 1939).
22209. Lloyd. (To 2nd October 1939).
22346. I. G. Farbenindustrie Aktiengesellschaft. (To 24th November 1939).

Cessation of Patents.

10400. Maschinenfabriek Augsburg-Nurnberg, A. G.
11402. Western Electric Co. Ld.
7941. Stewart.
19008. Buffalo Electric Furnace Corporation.
19966. Sutax Ld. and anr.
9983. Wilson and ors.
20006. Dr. Asheshov and anr.
20926. Samson.
20928. Leese.
20929. Pt. Lokchand Sharma.
20935. Hooper.
20936. Zeno.
20948. Compagnia Europea Registratori S. A. I.
21653. Schering-Kahlbaum Aktiengesellschaft.
21776. Woodall-Duckham (1920) Ld.
21897. Burton.
21900. Gibson and anr.
21901. Main.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets :—

Class 1. No. 63693. Hedavkar Metal Pressing Works, Panjarapole, 1st Lane, Bombay, British India. September 2, 1938.

Class 13. No. 63494. Bombay Import & Export Agency, Cama House, Hornby Road, Bombay. June 30, 1938.

Class 13. No. 63690. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. August 31, 1938.

Class 13. Nos. 63694 to 63696. E. D. Sassoon & Co. Ld., of E. D. Sassoon Building, Ballard Estate, Bombay, British India. September 2, 1938.

Class 14. No. 63691. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. August 31, 1938.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week day except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary' Home and Political Department, Government of Burma.
WASHINGTON, (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON. . .	Office of the High Commissioner for India, India House Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

The following is a statement of the cash balances of the Central Government on the last day of August 1938 :—

	Rs.
(1) At the Reserve Bank of India in India	10,64,44,000
(2) At treasuries in India . .	17,53,000
(3) In England (Sterling converted at 18*d.* the rupee) . .	87,20,000
Total .	11,69,17,000

M. SUBRAHMANYAN,

Accountant General, Central Revenues.

NEW DELHI:

The 19th September 1938.

CURRENCY NOTES.

NOTICES.

Madras, the 14th September 1938.

Portions of the following currency note of the Madras Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
S/59-335004	100	Wali Mohamad, c/o M. Peer Mohamad, Munis Ganj II, Bettiah P. O., Champaran.

V. S. MARBALLI,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, MADRAS.

Bombay, the 16th September 1938.

Portions of the following note of the Bombay Office of Issue are stated to have been destroyed, and payment of its value has been claimed by the person whose name is placed against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
D 23 of 1938	T/23-437576	100	Mr. Khuna Sitaram, Tile Polishing Contractor, c/o Raval & Co., 21, Bank Street, Fort, Bombay.

V. G. DESHMUKH,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, BOMBAY.

Lahore, the 21st September 1938.

Portions of the following note of the Lahore Office of Issue are stated to have been destroyed, and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Register No.	Note No.	Value.	Name and address of the applicant.
		Rs.	
W. D. 13 of 1938.	T-28/137768	100	Sheikh Bunda, s/o Gainda, Purani Mani, Taj Ganj, Agra (U. P.).

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, LAHORE.

J. MACLEAN,

Currency Officer.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 20th September 1938.

No. 31.—Mr. P. J. Jeejeebhoy is appointed Assistant Secretary, Central Office, Reserve Bank of India, Calcutta, with effect from the 12th September 1938, with authority to sign "for Secretary".

2. Mr. S. P. Puri is appointed to act as Accountant, Reserve Bank of India, Delhi, with effect from the close of business on the 17th September 1938, *vice* Mr. T. V. Datar proceeded on leave.

MANILAL B. NANAVATI,

Deputy Governor.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATION.

Simla, the 13th September 1938.

No. 113-P.—On expiry of his tenure Lieut.-Colonel W. M. Will, M.B., Ch.B. (Aberd.), I.M.S., will relinquish his post as Assistant Director General, Indian Medical Service (Stores), with effect from the forenoon of the 28th October 1938 and proceed to Bombay to assume charge of the Government Medical Store Depot, Bombay.

N. M. WILSON,

Major-General, I. M. S.

Director-General, I. M. S.,

THE EXECUTIVE ENGINEER, WEST COAST DIVISION, CALICUT.

NOTICE.

Calicut, the 23rd August 1938.

Notice is hereby given for the information of the public that the following tombs in the Kottapadiparamba (Malappuram) Cemetery, Malabar District, have fallen into disrepair and require immediate attention. The cost of repairs to restore them to fair condition is about Rs. 15 for each on the average. Interested parties are requested to communicate to the Executive Engineer, West Coast Division, Calicut, Malabar District, South India, to finance the repairs :—

1. Private John Mooney of H. M. 94th Regiment, who departed this life on the 24th November 1851. Age 25 years.
2. Private Thomas Smith of H. M. 94th Regiment, who departed this life on the 3rd September 1851. Aged 31 years.
3. Private William Smith of H. M. 94th Regiment, who departed this life on the 17th January 1852. Aged 26 years.
4. Private John Hennessey of H. M. 94th Regiment, who departed this life on the 22nd May 1852. Aged 27 years.
5. Private Charles Byrne of H. M. 94th Regiment, who departed this life on the 22nd May 1852. Aged 29 years.

N. J. JOSEPH,

Executive Engineer, West Coast Division.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 15th September 1938.

No. 114-An.—Mr. Mumtaz Mirza, an officer in Class II of the superior staff of the Military Accounts Department, rejoined duty on the forenoon of the 25th August 1938. The unexpired portion of his leave from that date is hereby cancelled.

Simla, the 16th September 1938.

No. 5-An.—Mr. B. B. Tarawade, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Southern Command, reverted to his substantive grade with effect from the afternoon of the 24th August 1938.

Simla, the 17th September 1938.

No. 2-An.—Mr. Motilal J. Malik, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, reverted to his substantive grade with effect from the afternoon of the 14th September 1938.

Simla, the 21st September 1938.

No. 3-An.—Mr. Abdul Ghani Paracha, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Western Command, has been granted privilege leave for 18 days, with effect from the 12th September 1938, with permission to prefix Sunday, the 11th September 1938, and to affix the gazetted holidays from the 30th September 1938 to the 3rd October 1938 to this leave.

M. R. COBURN,

Military Accountant General.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona, 5, the 14th September 1938.

No. G.-25114/P.-103.—Mr. B. N. Sreenivasaiah, M.Sc. (Cal.), Assistant Meteorologist, Poona, has been granted leave on average pay for one month and fourteen days with effect from the 12th September 1938, with permission to prefix Sunday, the 11th September 1938. He is transferred to the Meteorological Office, Karachi, on the expiry of the leave.

No. G.-25115/P.-103.—Mr. B. P. Mukerji, B.A. (Cal.), Assistant, Meteorological Office, Poona, has been appointed to officiate as Assistant Meteorologist until further orders, *vice* Mr. B. N. Sreenivasaiah granted leave.

C. W. B. NORMAND,

Director-General of Observatories.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

Simla, the 17th September 1938.

No. S.-107/16.—Mr. Uma Shankar, Assistant Divisional Engineer, Telegraphs, Karachi, is granted earned leave for 30 days with effect from the 15th September 1938 or from any subsequent date of his relief.

Simla, the 19th September 1938.

No. S.-80/7.—The following Postmasters, Grade A, are confirmed in the grade of Rs. 700—25—800 with effect from the date noted against each :—

1. Major E. M. Ricketts—1st March 1938.
2. Major J. W. Staunton—1st March 1938.
3. Mr. C. Sherrard-Smith, M.B.E.—22nd March 1938.

No. S.—109/3.—Mr. J. C. Hector, Deputy Assistant Electrical Engineer, Grade B, is appointed substantively as Deputy Assistant Electrical Engineer, Grade A, with effect from the 16th August 1938.

G. V. BEWOOR,

Director General of Posts and Telegraphs.

SURVEY OF INDIA.

List of maps published during the month of August 1938.

GEOGRAPHICAL, GENERAL AND SPECIAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Description.	Year of survey.	Date of edition.	Number of sheets.	Size per sheet in inches.	Price.	Remarks.
					Rs. A.	
GEOGRAPHICAL MAPS.						
India & Adjacent Countries Series.						
(Scale 1=1,000,000.)						
Sheet No. 100 "Loshan (Kiating)".	..	1938	1	21×26	1 0	Ordinary Edition. Second (Revised) Edition. In black, blue and brown.
* Sheet No. 101 "Kunming (Yunnanfu)".	..	1938	1	20×26	1 0	Ditto.
GENERAL MAPS.						
(Scale 1 inch to 67·08 miles.)						
India showing Railways open and under construction on 31st March 1938.	..	1938	1	41×32	1 8	
SPECIAL MAPS.						
Cantonment Plans.						
(Scale 16 inches to 1 mile.)						
Rāwalpindi Cantonment Sheets 1 and 6	1936-37	1938	2	Various	2 0 Per sheet	Third (Revised,) Edition.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Index Number.	District, etc.	Year of survey.	Date of current edition.	Price.	Remarks.
				Rs. A.	
	1. QUARTER-INCH MAPS.				Underlining for Map Catalogue :— (a) Double red line.
	(Scale 1 inch to 4 miles.)				
44 O	"Hissār"	1912-15	1937	1 8	2nd Edition.
73 O	"Contai"	1931-32	1938	1 8	(a)
* 93 H	"Taunggyi"	1894-98 1901-03	1938	1 8	Provisional Issue.
	2. HALF-INCH MAPS.				
	(Scale 1 inch to 2 miles.)				
53 F/SW	Parts of Ambāla and Karnāl Districts, Punjab Hill States, Sirmūr State and Sahāranpur District.	1912-13	1937	1 8	Second (Revised) Edition.
43 J/SE	Parts of Bundelkhand Agency, Indore State, Bhind and Gird Gwalior Districts, Dholpur State and Jālaun District.	1922-23	1938	1 8	Second Edition.

* Copies of these maps are obtainable from the Curator, Govt. Book Depot, Rangoon, Burma.

List of maps published during the month of August 1938.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta—*contd.*

Index Number.	District, etc.	Year of survey.	Date of current edition.	Price.	Remarks.
				Rs. AS.	Underlining for Map Catalogue :— (a) Double red line.
	3. ONE-INCH MAPS. (*Scale 1 inch to 1 mile.*)				
*35 L/9	Parts of Las Bela State and Karāchi District.	1925-26	1938	0 12	Second Edition.
*43 H/14	Part of Gujrāt District . .	1909-10 (corrected 1933.)	1937	1 8	Fourth (Revised) Edition.
63 B/12	Parts of Cawnpore, Fatehpur, Rāe Bareli and Unao Districts.	1904-05 1910-11	1937	1 8	Second Edition.
72 O/1	Parts of Bhāgalpur and Purnea Districts.	1936-37	1938	1 8	(a)
72 O/2	Ditto. . . .	1936-37	1938	1 8	(a)
72 O/3	Parts of Bhāgalpur and Purnea Districts.	1936-37	1938	1 8	(a)
72 O/5	Part of Purnea District .	1936-37	1937	1 8	(a)
72 O/6	Ditto. . . .	1936-37	1937	1 8	(a)
72 O/11	Parts of Bhāgalpur, Purnea and Santāl Parganas Districts.	1936-37	1937	1 8	(a)
74 B/5	Parts of Vizagapatam and Ganjām Districts.	1934-35	1938	1 8	(a) Complete map.
78 P/7	Parts of Sylhet, Mymensingh and Tippera Districts.	1907-08	1938	1 8	Surprinted with additional information.
83 C/4	Part of Sylhet District . .	1919-20	1938	1 8	Ditto.
†84 K/16	Parts of Myingyan and Pakokku Districts.	1907-08	1938	1 8	Second Edition.
†93 D/4	Part of Yamethin District .	1924-26 1936-37	1937	1 8	(a)
†93 D/7	Parts of Yamethin District and Southern Shan States.	1926-27 1936-37	1937	1 8	(a)
†93 L/2 and parts of 93 L/6 and H/14 (old Burma Sheet 442).	Part of Southern Shan States	1901-02	1938	1 8	Reprinted[1] with additions and corrections.
†96 I/11	Part of Mergui District . .	1920-21	1938	0 12	Second Edition.

* Gridded copies of these maps can be supplied at annas three per copy extra.
† Copies of these maps are obtainable from the Curator, Government Book Depot, Rangoon, Burma.
Reference :—List of maps for May 1938, page 2 read Auxiliary Tables III for Auxiliary Tables II.

The revised prices of some of the maps described in Appendices 1, 2 and 4 of the Map Catalogue are given below and will take effect from the 1st October 1938.

Serial No.	Map.	Scale.	Revised Price. Unmounted.	Revised Price. Folded in picture cover.
			Rs. a. p.	Rs. a. p.
	Appendix I—General Maps of India.			
15	Map of India showing Railways open and under construction.	1″=67·08 miles.	1 4 0	1 6 0
22	Map of India, Coloured	1″=50 miles	8 0 0	..
23	Road Map of India	Do.	0 14 0	1 0 0
	Appendix 2.—Provincial Maps.			
1	Assam	1/M	2 8 0	..
2	Bengal	Do.	2 8 0	..
4	Bihār and Orissa	Do.	2 8 0	..
5	Bombay including Sind	Do.	5 0 0 per set.	..
8	Central Provinces (with hills)	Do.	2 8 0	..
11	Madras (with hills)	Do.	2 8 0 per sheet.	..
12	North-West Frontier Province	Do.	2 0 0	..
13	Punjab, Punjab States and Delhi	Do.	2 8 0	..
15	Rājputāna (with hills)	Do.	4 0 0 per set.	..
16	United Provinces and Delhi	Do.	2 8 0	..
	Appendix 4.—City and Town Guide Maps.			
12	Calcutta, Tourist map of	4″=1 mile.	0 14 0*	1 0 0*
17(a)	Darjeeling Guide Map	6″=1 mile.	2 8 0	2 10 0
20	Delhi, Tourist map of	2·112″=1 mile.	0 14 0	1 0 0
46	Shillong Guide Map	5″=1 mile.	2 0 0	2 2 0

* Mounted on Cloth.

C. G. LEWIS, Brigadier,

Surveyor General of India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 24th September 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 15th September 1938.

No. P. F.-11.—Mr. C. L. Pasricha, Assistant Electrical Engineer, Junior Scale, has been granted 11 days leave on average pay with effect from the 14th September 1938 with permission to suffix to his leave Sunday the 25th September 1938, the Durga Puja holidays from the 26th September 1938 to the 8th October 1938 and Sunday the 9th October 1938.

No. E. P.-1062.—Mr. M. S. Ahmed, Assistant Executive Engineer, Junior Scale has been granted leave on average pay for two months and 14 days on medical grounds with effect from the 25th April 1938.

Calcutta, the 16th September 1938.

No. E. P.-52.—Mr. R. M. Watson, Assistant Bridge Engineer, Junior Scale, has been granted 26th days leave on average pay with effect from the 30th August 1938 with permission to suffix the Durga Puja holidays from the 25th September to the 9th October 1938 both days inclusive.

This cancels Notification No. E. P. 52, dated the 30th July 1938 published in the *Gazette of India* Part II, dated the 6th August 1938.

Calcutta, the 19th September 1938.

No. O.P.E. 418/5.—Mr. H. Chapman, Superintendent, Power, Senior Scale, has been granted 32 days privilege leave combined with 10 months and 20 days furlough on half pay out of India prior to retirement, with effect from the 20th October 1938.

No. 964/20.—Mr. R. G. Basu, District Controller of Stores was granted six days leave on average pay with effect from the 22nd August 1938.

No. E. P.-644.—Mr. R. C. Sood, Assistant Executive Engineer, Junior Scale, has been granted 4 months leave on average pay *plus* one month and 27 days leave on half average pay partly in India and partly out of India with effect from the 5th April 1938.

This cancels Notification No. E. P. 644, dated the 25tth March 1938 published in the *Gazette of India*, Part II, dated the 2nd April 1938.

Calcutta, the 20th September 1938.

No. HE. 17.—Dr. G. E. Paul, Workshop Medical Officer, has been granted privilege leave for one month in India, with effect from the 26th September 1938 or subsequent date of relief.

J. A. BELL,
General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATIONS.

Calcutta, the 10/12th September 1938.

No. 220.—Dr. M. C. Madhok, District Medical Officer, Kanchrapara, is granted leave on average pay for 21 days from 10th October 1938 to 30th October 1938 with permission to prefix Durga Puja holidays from 1st October 1938 to 9th October 1938 under Rules 5 and 6 of the State Railway Leave Rules.

S. C. CHATTERJEE,

Chief Medical Officer.

Calcutta, the 17th September 1938.

No. 27.—Mr. P. D. Low, Offg. Dy. Chief Mechanical Engineer, Electrical, is granted leave out of India for 5 months, *viz.*, on average pay for 4 months and on half average pay for the remaining period with effect from the 24th September 1938, with permission to prefix the holiday on the 23rd instant.

I. T. ST. C. PRINGLE,

for General Manager.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 14th September 1938.

No. 98.—Mr. F. A. Kay, Assistant Engineer is granted leave on average pay for 3 months with effect from 15th October 1938, or subsequent date of relief.

No. 99.—Mr. A. R. Azar, Assistant Executive Engineer, is granted leave on average pay for 11 days with effect from 19th September 1938.

Lahore, the 20th September 1938.

No. 101.—Mr. A. R. Azar, Assistant Executive Engineer, is granted leave on average pay for 4 days, with effect from 26th September 1938.

2. This cancels this office Notification No. 99, dated the 14th September 1938.

C. F. CARSON,

Colonel,

General Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, OCTOBER 1, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

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Part I-A	4	8	0	2	8	0
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Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
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Supplement	10	0	0	2	8	0

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Extraordinary issues	Price fixed for each issue individually.		

There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 1st October 1938.

SPECIAL NOTICE.

Attention of the public is invited to the Notification of the Government of India in the Department of Commerce, No. 54-(1)-Tr.-(P. & D.)/38, dated the 17th September 1938, under the heading "(PATENTS AND DESIGNS.)", on pages 1562-1564, of the *Gazette of India*, Part I, dated the 17th September 1938, republishing the Order of His Majesty in Council declaring *inter alia* British India to be a Convention country for the purposes of all the provisions of the United Kingdom Patents and Designs Act, 1907, as amended, excepting section 48.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

September 17, 1938.

25691. K. Alagasingam. Eliminating the jolting noise caused by the passing of the wheels of the railway carriages of a locomotive train over the junction of two consecutive rails on the railway track or line.

25692. O. Coughtrie. Improvements in or relating to devices for delivering liquids in measured quantities by volume. (September 17, 1937).

25693. A. F. Fekete and P. Halase. Improvements in or relating to inductive heating with low frequency.

September 19.

25694. C. E. Lumb. Improvements in blower apparatus for cleaning the tubes of steam boilers.

25695. E. G. Huzenlaub and J. H. Rogers. An improved process for the treatment of rice. (April 8, 1937). [Divisional date August 16, 1937].

25696. Shock Concrete Foreign Patents Ld. Method of and apparatus for consolidating pulverulent materials.

25697. F. J. Kuretschka. Improvements in and relating to valve gear for fluid pressure engines. (October 22, 1937).

25698. Petree & Dorr Engineers, Inc. Improvement in method of and apparatus for clarifying liquids.

25699. Petree & Dorr Engineers, Inc. Improvement in apparatus for clarifying liquids.

25700. The English Electric Co. Ld. Improvements in hydraulic turbines. (October 4, 1937).

25701. O. Shimwell and D. W. Shimwell. Improvements in or connected with the beat-up mechanism of looms for weaving. (October 5, 1937).

25702. Minerals Separation Ld. Improvements in or relating to agitation and aeration apparatus.

25703. J. F. Brett. Improvements in panel doors.

September 20.

25704. T. O. D. Jansen. A method of manufacturing ammonia.

September 21.

25705. International General Eelectric Co. of New York, Ld. Improvements in and relating to fluorescent material.

25706. International General Electric Co. of New York, Ld. Improvements in or relating to methods of treating electric lamp bulbs.

25707. The Yorkshire Copper Works Ld., and K. Fraser. Improvements in or relating to connecting means for pipes or tubes.

September 22.

25708. U. Pattra. Pattra machine.

25709. R. D. Devan. Improved box for jewellery or like valuable articles and means for securing the same.

25710. N. C. Bhattacharji. An apparatus more particularly for treatment of dyspeptic patients.

Alteration of Date.

(I)

24357. The claim to priority date 25th August 1936 has been disallowed and the application dated as of 24th August 1937, the date of filing in India.

(II)

24615. The claim to priority date 6th November 1936 has been disallowed and the application dated as of 8th November 1937, the date of filling in India.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24274. Carl Hofmann Kommanditgesellschaft. Process for the production of yarns from vegetable fibres which contain adhesive substances. (March 25, 1937). *Ring spinning machines with self lubricated traveller rings to prevent deposition and hardening of sticky substances on said rings.*

24356. "Straba" Strassenbaubedarfs Aktiengesellschaft. Process for producing a pulverulent mixture, together with apparatus for carrying out the same. *Clouds of constituents produced by spraying mixed with that produced by the atomisation of the fluid.*

24357. The General Electric Company, Limited. Improvements in electric discharge lamps. *The luminescent screen made of zinc or other oxide having low absorption for visible light and a resistivity not greater than 100 ohms per CCm.*

24426. K. Singh. Improvements in and relating to figured tiles. *Tile surface having projections is cast in glass mould having smooth surface with depressions by depositing coloured cement in layers or patches.*

24440. I. G. Farbenindustrie Aktiengesellschaft. Process of and apparatus for the production of carbon disulphide. *Vapourising chamber charged with sulphur and charcoal from above and the vapours therefrom introduced from below into the reaction chamber charged with charcoal.*

24456. A. H. Platt. Improvements in bottle closure caps. (September 25, 1936.) *Downturned skirt has its lower edge portion formed by a series of spaced outwardly curved convex projections.*

24460. India Electric Works Limited. Improvements in or relating to fan blades. *Blade with part of its surface towards the trailing edge, of sharper curvature.*

24565. W. A. Porter. Improvements in the method of and means for manufacturing pipes of fibro cement and like material. *Sheet in plastic state is transferred to rotating mould from mandrel disposed within the mould.*

24615. The General Electric Co., Ld. Improvements in or relating to the sealing of electric conductors through quartz or hard glass. *Leading in wire sealed through a chamber while is either evacuated or filled with inert gas.*

25000. K. Sakamoto. A shuttle change mechanism for power looms. *Shuttle-box with two shuttle receiving spaces, one used for receiving a shuttle during normal operation of the loom.*

25003. P. Das and Baboo Fathechand. A locking system for boxes and like receptacles. *Lock of spring, key having block and screwed tackle flexibly connected, and adapter to fit box.*

25038. Naamlooze Vennootschap Organon. Cyclopentano-dimethyl-polyhydro-phenanthrene carboxylic acids and derivatives thereof. *Protecting the double bonds and oxidisable groups attached to the nucleus of the grignardisation product and treating with oxidising agents other than ozone.*

25050. Luque Sugar Process Inc. Process of manufacturing raw sugar. *Adding small quantities of molasses magma to hot concentrated sugar solution prior to its cooling.*

25055. I. G. Farbenindustrie Aktiengesellschaft. Improvements in or relating to mercury cathodes for use in electrolysis. *Causing mercury to overflow to vertically disposed smooth guide surface so as to prevent breaking of mercury curtain.*

25060. Naamlooze Vennootschap Organon. Derivatives of cyclopentano-dimethyl-Polyhydro-phenanthrene and the manufacture thereof. *Acylating or alkylating the free hydroxyl groups and converting the COOH group of the cyclopentano phenanthrene carboxylic acid into the CO halogen group.*

25067. Fluid Transfer Ld. Improvements in or relating to pumps for liquids. *Inlet pipe with non-return valve, delivery pipe communicating therewith and means for applying intermittent pressure at their junction.*

25074. Naamlooze Vennootschap Organon. Improvements in or relating to the manufacture of derivatives of pregnenedione. [Addition to No. 25064]. *Halogenation and subsequent elimination of hydrogen halide.*

25076. S. R. Angirah. An improved water lifting arrangement and means for utilising the raised water. *Pumps, driven collectively, discharge water above ground level through a common pipe on the vanes of pelton wheel.*

25080. Societe D'Electrochimie D'Electrometallurgie Et Des Acieries Electriques D'Ugine. Improvements in or relating to the treatment of molten metals with solid substances. *Molten metal and the solid reacting substance such as carbon subjected to successive pourings to effect an intimate and turbulent mixture of the two substances.*

25089. The Metal Box Co. Ld. Improvements in or relating to cans, canisters and like containers closured by a disc of cardboard or the like. (April 21, 1937). *Disc supported at its periphery by the bead and clamped in position by curling inwardly the top edge of the container.*

25194. The General Electric Co., Ld. Improvements in high-pressure mercury-vapour electric discharge lamps. (May 11, 1937). *Terminal and intermediate electrodes to keep the discharge column straight.*

25215. A. G. Sharp-Collett. Improvements in or relating to an apparatus for mixing, blending or bulking tea and similar substances. *Hopper containing a series of compartments for different classes of tea with a series of conical revolving sheets one above the other below the hopper.*

25226. The British Aluminium Co. Ld. Improved surface treatment of metallic sheets by rolling through rolls in contact with an impression forming

sheet. (May 14, 1937). *Passing the metallic sheet through the rolls with appropriate pressure and removing the impression forming sheet.*

25230. Howard and Bullough, Ld., and W. Wilson. Improvements in underclearer mountings in textile spinning, preparing and like machines. (May 18, 1937). *A rocking lever, alternatively in operative contact with the associated drafting roller, mounted for pivotal movement.*

25236. Casablancas High Draft Co. Ld., and F. Casablancas. Improvements in or relating to mechanisms for drawing textile rovings. (December 6, 1937). *At least one additional endless belt provided within the endless belt or within at least one of the pairs of belts, acting on the roving.*

25242. Telefunken Gesellschaft fur drahtlose Telegraphie m.b.H. Improvements in or relating to circuits for modulating high frequency oscillations. *A load, an unmodulated valve stage for supplying power to load and another valve stage for supplementary modulation connected in or to load to supply power during half periods.*

25248. The Indian Hume Pipe Co. Ld. Improvements in and relating to moulds for concrete or reinforced concrete posts, poles, piles, columns, tubes, standards or the like structural members. *Longitudinally divided sections with webs projecting outwardly and longitudinal members secured to said webs and extending parallel and away from mould wall.*

25254. I. G. Farbenindustrie Aktiengesellschaft. Improvements in the treatment of seeds for improving germination or promoting growth. (June 4, 1937). *Applying a phytohormone to the surface of the seeds.*

25270. The Superheater Co., Ld. Improvements in or relating to steam separating apparatus. (November 16, 1937). *Outlet for separated water ends in a venturi tube.*

25274. Air Control Installations, Ld., and G. V. Oholm. Improvements in and relating to apparatus for drying granular materials. *Material flowing in downward direction, means for deflecting material forming air channels.*

25277. H. C. Andrews. Improved method of and means for aerating and preventing or retarding milk and like liquids from frothing over when boiling. *A vessel having a fitment, open at top, of truncated conical form adapted to rest on the bottom of vessel.*

25293. E. I. Du Pont De Nemours & Co. Improvements in or relating to the separation of solid materials. *Hydraulic separator, means for supplying liquid to cause vertical currents and means for transporting material transversely to the currents.*

25295. R. C. G. Slazenger. Improvements in or relating to the detection of objects by electro-magnetic rays. *Fluctuating rays are reflected from the object, fall upon a receiver and actuate associated detecting apparatus.*

25297. Dunlop Rubber Co. (India), Ld. Improvements in or relating to the vulcanisation of rubber or the like. (July 27, 1937). *Effecting vulcanisation with accelerators containing the atomic grouping* $\cdot C\ (=S)\cdot S.$ *in the presence of carbon disulphide.*

25314. D. V. Reddy. Improved means for warning the driver of an engine of the proximity of a signal or like object of caution or of a section of track where caution is required. *Stationary platform on track and roller suspended from engine co-operating therewith to actuate audible or visible warning provided in the cab of engine.*

25334. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny and Cirey. Improvements in and relating to cooling apparatus for tempering glass. *Two jets of cooling air arranged to impinge on each other and means for cyclically varying supply of air.*

25336. W. Bent. Improvements in or relating to refractory materials and furnace lining made therefrom. *Crushed sillimanite mixed with fire resisting cement, allowed to set and heated.*

25338. Flexofiltration Ld. Improvements in or relating to filters for purifying liquids or gases. *Having a series of flexible annular elements arranged in a pile and having annular raised and depressed portions for engagement.*

25344. N. V. De Bataafsche Petroleum Maatschappij. Process for manufacturing anti-knock motor fuels. *Addition of a metal compound of an organic substance of the type*

$$-R_1-\underset{\underset{O}{\|}}{C}-\underset{|}{C}=\underset{\underset{H}{|}}{C}-NHR_2.$$

25365. The Flexcell Co. Method of preparing expansion joint. *Impregnating body of inflexible but resilient mass of fibre board with waterproofing and elastic material.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

22056. The Indian Hume Pipe Co. Ld.
24002. Turnbull.
24249. The General Electric Co. Ld.
24319. Auto Union A-G.
24334. Hoover, Limited.
24335. Hoover, Limited.
24350. Mrs. Chawla.
24383. Ruhrchemie Aktiengesellschaft.
24422. Mitsui Bussan Kaisha, Ld.
24449. The General Electric Company Limited.
24482. Ateliers Neyret-Beylier & Piccard-Pictet.
24499. B. Nier.

24619. Dr. Jezler.
24644. Kuretschka.
24668. Institut de Serotherapie hemopoietique, S. A.
24754. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler.
24772. The Indian Hume Pipe Co. Ld.
24790. Metallgesellschaft Aktiengesellschaft.
24800. Reemtsma.
24815. Hakim.
24838. Hannoversche Maschinenbau-Actien-Gesellschaft vormals George Egestorff (Hanomag).
24846. Banham.
24848. Dixon.
24853. Voith, Voith and Voith (trading as the firm of J. M. Voith).
24856. Marconi's Wireless Telegraph Co., Ld.
24868. Hannoversche Maschinenbau-Actien-Gesellschaft vormals George Egestorff (Hanomag).
24890. Freeborn.
24909. Binny & Company (Madras) Limited.
24915. Pittsburgh Plate Glass Co.
24933. A. Boenecke.
24942. Sarkar.
24956. Lampen-Und Metallwarenfabriken R. Ditmar Gebruder Brunner A. G.
24957. Lampen-Und Metallwarenfabriken R. Ditmar Gebruder Brunner A. G.
24970. J. Yuille.
24975. N. V. De Bataafsche Petroleum Maatschappij.
24993. Harris and Clayton Dewandre Co. Ld.
25064. Naamlooze Vennootschap Organon.
25094. Aktiebolaget Radius.
25097. Feroz-ud-Din.
25099. British Glycerine Manufacturers Ld.
25100. Brooke Bond and Co. Ld., and F. Walker.
25138. Ringer.
25149. Freeman.
25161. Insulatus A. G.
25162. Insulatus A. G.
25164. Callender's Cable and Construction Co. Ld.
25171. B. Bartfay.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta:—

23978. Sub-Conductor Carter.
23993. The Raleigh Cycle Co., Ld. and Rawlings.
24017. Standard Telephones and Cables, Ld.
24222. Ahmad.
24450. The General Electric Company, Limited.
24568. Vyas.
24577. Remfry.
24646. The Eastern Engineering Co.
24693. J. Halden & Co., Ld. and Holden.
24734. The English Electric Co., Ld.
24777. Datta.
24788. Kershaw and Westinghouse Brake and Signal Co., Ld.
24850. International Combustion, Ld., and Harlow.
24861. The General Electric Co., Ld.
24900. McWilliam, Goodman and Mcleod & Co., Ld.
25205. Datta.

Patents Sealed.

23730. Carlin.
23779. Spengrey Cap International Co.
23927. Vale (Junior).
23944. McCullough.
23948. Matzka.
23953. Vereinigte Eisenbahn-Signalwerke Gesellschaft mit beschrankter Haftung.
23976. Automotive Products Co. Ld., and Gates.
23990. Marconi's Wireless Telegraph Co. Ld.
24282. Ridley.
24304. Casas-Robert.
24477. Svenska Aktiebolaget Gasaccumulator.
24521. Sweeney.
24536. The British Cotton Industry Research Association.
24538. Joseph Crosfield & Sons Ld.
24545. Owens-Illinois Glass Co.
24562. Marconi's Wireless Telegraph Co. Ld.
24596. Kempe.
24613. Imperial Chemical Industries Ld.
24643. Reed.
24655. Kanclerz.
24670. Concordia-Bergbau-Aktien-Gesellschaft.
24780. Chester.
24785. L. Gardner & Sons Ld.
24786. Sastry.
24820. Morrison.
24824. Kumardhubi Fireclay & Silica Works, Ld.
24827. J. A. Crabtree & Co. Ld., and McLoughlin.
24834. Bolt and Wallsend Slipway & Engineering Co. Ld.
24866. Godin, Senior, Godin, Junior and Handl.
24874. Seri Holding S. A.
24887. Imperial Chemical Industries Ld.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest:—

Nos. 14104 and 16588. Frosted Foods Ld.
No. 16267. Wycliffe Foundry Co. Ld.
No. 19029. Donald John McDiarmid.
Nos. 22435, 22909 and 23699. Brooke Bond & Co. Ld.

Renewal Fees Paid.

PATENTS.

5637. Datta. (To 30th September 1939).
10680. Godrej & Boyce Manufacturing Co. (To 29th September 1939).
10745. Blackstone and ors. (To 31st October 1939).
10770. Hadley and ors. (To 29th October 1939).
10771. Hadley and ors. (To 29th October 1939).
12624. Dwight & Lloyd Metallurgical Co. (To 4th October 1939).
13462. Guest Keen & Nettlefolds Ld., and anr. (To 16th November 1939).
14909. Bates Valve Bag Corporation. (To 15th October 1939).
14926. N. V. Internationale Maatschappij Voor Sprekende Films. (To 30th October 1939).
14993. The British Thomson-Houston Co. Ld. (To 13th November 1939).
16002. Peyinghaus. (To 10th May 1939).
16262. Bayley and ors. (To 16th November 1939).

16344. The Walpamur Co. Ld. (To 21st October 1939).
16347. Indian Refining Co. (To 21st October 1939).
19442. C. A. Parsons & Co. Ld. (To 19th December 1939).
20248. Chaudhri Mushtaq Ahmad. (To 20th September 1939).
20265. Radio Corporation of America. (To 5th October 1939).
20266. Adey. (To 5th October 1939).
21304. McVicar. (To 29th October 1939).
21378. The British Cotton Industry Research Association. (To 25th November 1939).
21445. Trinidad Leaseholds Ld. (To 10th December 1939).
22298. Kadenacy. (To 3rd November 1939).

Cessation of Patents.

17098. Thuau.
20950. Gaglio.
20952. Tapidas.
20953. Vondiziano and anr.
20957. Sir W. G. Armstrong Whitworth & Co. (Engineers) Ld., and ors.
20958. Sir W. G. Armstrong Whitworth & Co. (Engineers) Ld., and ors.
20959. Brandwood.
20960. Pastrone.
20962. D'Hotman De Villiers.
21895. The Burmah Oil Co. Ld.
21921. Jacobsen and ors.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets:—

Class 3. No. 63641. The Dunlop Rubber Co. (India) Ld., of 57-B, Free School Street, Calcutta, British India. August 9, 1938. (Reciprocity Date February 9, 1938).

Class 3. No. 63803. The Dunlop Rubber Co. (India) Ld., of 57-B, Free School Street, Calcutta, British India. September 13, 1938. (Reciprocity Date March 16, 1938).

Class 5. No. 63354. Gobin Ram, Prop. Jakson Chemical Works, Amritsar (Punjab). May 30, 1938.

Class 9. No. 63673. The Model Industries (Regd.) of Dayalbagh, Agra, August 19, 1938.

Class 13. Nos. 63700 to 63704. The Mafatlal Fine Spg. & Mfg. Co. Ld., of Navsari, Baroda State, September 6, 1938.

Class 13. Nos. 63757 and 63758. Rohit Mills Ld., of Railwaypura Post, Ahmedabad 2, British India. September 12, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry:—

Class 5. Nos. 57252 and 57253. Ellams Duplicator Co. Ld., of 12, King Street, Cheapside, London, E. C. 2, England. October 5, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week day except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public:—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.

LUCKNOW . .	Amiruddaula Public Library.
MADRAS . .	Record Office, Egmore.
Do. . .	College of Engineering.
PATNA . .	Office of the Director of Industries, Bihar and Orissa.
POONA . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary Home and Political Department, Government of Burma.
WASHINGTON, (U. S. A.).	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON. . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Cawnpore, 22nd September 1938.

Portions of the following notes of the Cawnpore Office of Issue are stated to have been destroyed and an application for payment of their value has been received from the person/party whose name is shown against the numbers. Any other person/party who consider(s) himself/themselves as having a right to them is/are warned to communicate at once with the undersigned.

Note No.	Value.	Name and address of the applicant.
	Rs.	
T/27-000329	100	Mr. Hussain Bux, s/o Sheikh Baqridi, Brick Merchant, Hiramanka Purwa, Cawnpore.
T/27-532116	100	

M. K. BHATTACHARYYA,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, CAWNPORE.

Bombay, the 24th September 1938.

Portions of the following notes of the Bombay Office of Issue are stated to have been destroyed, and payment of their value has been claimed by the person whose name is placed against the numbers. Any other person claiming a right to them is warned to communicate at once with the undersigned.

Register No.	Number of Notes.	Value.	Name of claimant.
		Rs.	
D 24 of 1938	SD/89-03787	50	Mr. Gulabdas Vrajdas Sheth, c/o The Bharat House Agency, Raja Bahadur Bansilal Motilal Mansion, Tamarind Lane, Fort, Bombay.
	SD/89-22354	50	

V. G. DESHMUKH,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, BOMBAY.

OFFICE OF THE ACCOUNTANT-GENERAL, POSTS AND TELEGRAPHS.

New Delhi, the 20th September 1938.

Statement showing the amounts realised and paid in each of the Postal Circles on account of Post Office 5-Year Cash Certificates, during July 1938, and the amounts outstanding at the end of the month.

[In thousands of rupees.]

Name of Postal Circle.	Cash realised from sales.	Amount repaid. Principal.	Amount of principal outstanding.
	Rs.	Rs.	Rs.
Bengal & Assam .	22,90	22,55	11,02,48
Bihar & Orissa .	4,95	5,13	2,27,86
Bombay . . .	39,86	32,03	16,04,79
Central . . .	10,30	7,26	4,18,79
Sind & Baluchistan	4,48	4,85	2,59,15
Punjab . . .	22,91	21,04	11,10,15
United Provinces .	16,17	14,73	8,33,32
Madras . . .	10,99	7,55	3,00,29
Burma . . .	..	5,86	1,02,62
Total, July 1938 .	1,32,56	1,21,00	59,59,45
Total, July 1937 .	1,48,29	1,93,42	62,81,94
Total, July 1936 .	1,40,31	1,65,53	66,13,60

K. R. S. RAU,

Accountant-General, Posts and Telegraphs.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for June 1938.

(In lakhs of Rupees.)

	For June.		To end of June.		Whole year.	
	1937-38.	1938-39.	1937-38.	1938-39.	Revised, 1937-38.	Budget, 1938-39.
Revenue.						
Customs	3,45	2,96	10,49	9,31	43,93	43,81
Central Excise Duties	77	76	2,35	2,21	7,74	7,76
Corporation Tax	8	—1	8	—1	1,50	1,55
Taxes on Income other than Corporation Tax	51	41	1,64	1,41	12,12	12,42
Salt	69	54	2,47	2,26	8,35	8,35
Opium	9	10	23	27	46	45
Railways—						
Gross receipts	8,58	8,46	26,48	26,19	99,83	99,43
Deduct—Working Expenses	*5,17*	*5,45*	*15,62*	*16,01*	*64,80*	*65,05*
Surplus Profits	*28*	*31*	*38*	*32*	*52*	*46*
Payments to worked Lines	*30*	*27*	*89*	*80*	*3,02*	*2,81*
Net receipts	2,83	2,53	9,59	9,06	31,49	31,11
Subsidised Companies	1	1	1	1	12	12
Miscellaneous Railway Receipts	..	..	..	..	1,11	1,34
Posts and Telegraphs—Net receipts	2	..	18	7	1,15	75
Other heads	28	33	71	98	9,28	9,02
Total	8,73	7,63	27,75	25,57	1,17,25	1,16,68
Expenditure.						
Railway Revenue Account—						
Interest and other charges	9	5	3,06	3,02	29,90	30,02
Debt charges—Gross	2,59	2,85	11,75	11,81	48,96	49,30
Deduct—Amount Chargeable to—						
Railways	..	..	*2,72*	*2,73*	*28,06*	*28,19*
Irrigation	..	..	..	..	*8*	*8*
Posts and Telegraphs	..	..	..	..	*72*	*74*
Commutation of Pensions	..	..	..	..	*24*	*24*
Salt and other Commercial Departments	..	..	..	..	*7*	*7*
Provincial Governments	..	..	..	..	*4,95*	*5,3[illegible]*
Net Charges	2,59	2,85	9,03	9,08	14,84	14,62
Defence Services (Net)	3,68	3,88	11,12	11,30	47,22	45,18
Other heads	1,63	1,40	5,10	5,28	25,29	26,77
Total	7,99	8,18	28,31	28,68	1,17,25	1,16,5[illegible]
Expenditure not charged to Revenue	36	1,06	1,37	2,06	2,98	9,71
Debt Heads—						
Permanent Debt (Net) India	—3	..	—6	+7,21	+92	—8
Ditto England	..	..	—70	—72	—6,85	—2,94
Treasury Bills (Net) India	+26	+97	+3,29	+7,11	+6,00	+5,0[illegible]
Ways and Means Advances (Net) India	..	..	..	..	..	..
Other Debt Head Transactions (Net)	—86	—64	—6,43	—6,11	+3,67	+6,9[illegible]
Total	—63	+33	—3,90	+7,49	+3,74	+8,9[illegible]
Total Transactions	—25	—1,28	—5,83	+2,32	+76	—6[illegible]
Opening Balance	5,21	14,91	10,79	11,31	8,64	9,4[illegible]
Closing Balance	4,96	13,63	4,96	13,63	9,40	8,7[illegible]

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England and India respectively cancel each other.

NEW DELHI;

Dated the 19th September 1938.

M. SUBRAHMANYAN,

Accountant General, Central Revenues.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATIONS.

Bombay, the 21st September 1938.

No. 32.—Mr. M. K. Bhattacharyya, is appointed Currency Officer, Reserve Bank of India, Issue Department, Cawnpore, with effect from the forenoon of the 19th September 1938, *vice* Mr. P. K. Basu, transferred to Calcutta Office.

MANILAL B. NANAVATI,
Deputy Governor.

Calcutta, the 24th September 1938.

No. 42.—Under Regulation 6-A of the Reserve Bank of India General Regulations it is hereby notified that for the purpose of the election of the Local Board, Delhi (Northern) Area, the Share Register of the Bank for the said Area shall be closed and the registration of transfers shall be suspended from 10th October 1938 to 16th November 1938 (both days inclusive).

J. B. TAYLOR,
Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Madras, the 22nd September 1938.

The following change in the Bank's Staff is hereby notified:—

Mr. R. Low, to be Accountant, Colombo Branch, *vice* Mr. G. G. Hastings, as from the close of business on the 14th instant.

By Order,

G. R. ATTWOOD,
Secretary and Treasurer.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 21st September 1938.

No. 1641.—Mr. O. N. Pushong, Superintendent, is granted under the Fundamental Rules leave on average pay for 2 months and 14 days, with effect from the 10th October 1938. He is permitted to prefix to his leave the Puja holidays and Sunday the 9th October, and to affix the X'mas and New Year's day holidays up to the 2nd January 1939.

There is every likelihood of his returning to the post from which he will proceed on leave.

C. G. LEWIS,
Brigadier,
Surveyor General of India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M.
Sundays and other Gazetted holidays from 2 P.M. to 5 P.M. }

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 1st October 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

CENTRAL BOILERS BOARD.

NOTIFICATION.

Simla, the 23rd September 1938.

No. A. 907.—In exercise of the powers conferred by Section 28 of the Indian Boilers Act, 1923 (V of 1923), the Central Boilers Board directs that the following further amendment shall be made in the Indian Boiler Regulations, 1924, the same having been previously published as required by Sub-Section (1) of Section 31 of the said Act, namely:—

In clause (i) Regulation 54 of the said Regulations, for the letter, figures and words "S_1 is the shearing strength of rivets, which is taken generally to be 23 tons per square inch for steel and 18 tons per square inch for iron, and may, in each case be 85 per cent. of the minimum tensile breaking strength of the rivet bars", the following shall be substituted, namely:—

"S_1 is the shearing strength of rivets which shall be taken to be 23 tons per square inch for steel and 18 tons per square inch for iron".

C. M. KER,

Secretary,

Central Boilers Board.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

Simla, the 22nd September 1938.

No. EB.-15.—In continuation of this office Notification No. EB.-15, dated the 21st June 1938, Mr. J. C. Puri, Assistant Aerodrome Officer, Karachi Airport, is posted to Ahmedabad as Assistant Aerodrome Officer-in-Charge on the expiry of his leave.

F. TYMMS,

Director of Civil Aviation in India.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATION.

P. O. New Forest (Dehra Dun), the 26th September 1938.

No. 1095.—Mr. S. Ramaswami, Assistant Minor Forest Products Officer, Forest Research Institute, Dehra Dun, is granted leave on average pay for 14 days, with effect from the 9th September 1938.

E. A. GARLAND,

for Inspector General of Forests.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

Simla, the 21st September 1938.

No. S.-77/8.—Khan Bahadur M. Sabihuddin, Deputy Postmaster-General, Punjab and N. W. F. Circle, is granted leave on average pay for five days, with effect from the 10th September 1938, in extension of the leave granted to him in the Department of Communications Notification No. S.-77/8, dated the 27th July 1938.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

THE EXECUTIVE ENGINEER, WEST COAST DIVISION, CALICUT.

NOTICE.

Calicut, the 23rd August 1938.

Notice is hereby given for the information of the public that the following tombs in the Kottapadiparamba (Malappuram) Cemetery, Malabar District, have fallen into disrepair and require immediate attention. The cost of repairs to restore them to fair condition is about Rs. 15 for each on the average. Interested parties are requested to communicate to the Executive Engineer, West Coast Division, Calicut, Malabar District, South India, to finance the repairs:—

1. Private John Mooney of H. M. 94th Regiment, who departed this life on the 24th November 1851. Age 25 years.
2. Private Thomas Smith of H. M. 94th Regiment, who departed this life on the 3rd September 1851. Aged 31 years.
3. Private William Smith of H. M. 94th Regiment, who departed this life on the 17th January 1852. Aged 26 years.
4. Private John Hennessey of H. M. 94th Regiment, who departed this life on the 22nd May 1852. Aged 27 years.
5. Private Charles Byrne of H. M. 94th Regiment, who departed this life on the 22nd May 1852. Aged 29 years.

N. J. JOSEPH,

Executive Engineer, West Coast Division.

DIRECTOR-GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATION.

New Delhi, the 27th September 1938.

No. 118-P.—The services of 1st Class Assistant Surgeon E. R. Hill, I.M.D., are placed at the disposal of the Principal Medical College, Calcutta, for temporary employment as Supdt. military medical student class, Medical College, Calcutta, with effect from the 25th August 1938.

E. W. C. BRADFIELD,

Major-General, I.M.S.,

Director-General, I.M.S.

PORT OF COCHIN.

PORT OF COCHIN.

Statement showing the financial transactions of the Cochin Port, Landing and Shipping and Pilotage Funds for 1937-38.

Fund.	Opening balance.							Receipts.			
	Cash.	Government Securities.	Ordinary receipts.	Loans received.	Loans repaid.	Total of columns (4) to (6)	Sale of securities.	Face value of securities purchased.	Total of cols. (7) and (8).	Budget Estimate.	Ordinary charges.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Rs. A. P.	Rs.	Rs. A. P.	Rs.	Rs.	Rs. A. P.	Rs.	Rs.	Rs. A. P.	Rs.	Rs. A. P.
Cochin Port Fund	(a) 2,18,271 10 7	1,32,200	2,88,399 6 3	..	..	2,88,399 6 3	..	..	2,88,399 6 3	2,94,975	1,39,505 11 10
Cochin Landing and Shipping Fund	(b) 14,35,988 6 3	30,000	8,70,326 13 0	(c) 39,50,000	..	48,20,326 13 0	..	..	48,20,326 13 0	56,05,700	(d) 49,77,663 4 8
Cochin Pilotage Fund	(e) 43,397 8 9	65,400	93,337 12 4	..	..	93,337 12 4	..	..	93,337 12 4	94,728	1,05,992 11 8

(a) Excludes Rs. 20,440 being the amount of Accident and Depreciation Fund Account.

	Rs. A. P.
(b) Revenue Account	6,02,432 10 11
Capital Account	8,33,555 11 4
	14,35,988 6 3
(c) From the Government of Cochin	28,33,000 0 0
From the Government of Travancore	11,17,000 0 0
	39,50,000 0 0

	Rs. A. P.
(d) Revenue Account	7,51,787 9 5
Capital Account	42,25,875 11 3
	49,77,663 4 8

(e) Excludes Rs. 10,220 being the amount of Accident and Depreciation Fund Account.

PORT OF COCHIN.

Statement showing the financial transactions of the Cochin Port Landing and Shipping and Pilotage Funds for 1937-38.

Funds.	Charges—*contd.*								Closing balance.	
	Loans.		Total of columns (12) to (14).	Purchase of securities.	Face value of securities, sold.	Total of columns (15) and (16).	Budget grant.	Altered grant.	Cash.	Government securities.
	Advanced.	Repaid.								
	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
	Rs.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	Rs. A. P.	Rs.	Rs.	Rs. A. P.	Rs.
Cochin Port Fund	..	..	1,39,505 11 10	..	..	1,39,505 11 10	1,93,490	1,93,490	(f) 3,97,825 5 0	1,32,200
Cochin Landing and Shiping Fund .	..	(g) 50,661 8 0	50,28,324 12 8	..	..	50,28,324 12 8	54,26,809	53,47,675	(h) 12,36,721 6 7	30,000
Cochin Pilotage Fund	..	..	1,05,992 11 8	..	..	1,05,992 11 8	1,13,540	1,28,029	(i) 44,072 9 5	65,400

(*f*) Includes Rs. 30,660 being the amount of the Accident and Renewals and Replacement Funds Account.

	Rs. A. P.
(*g*) To the Government of India	20,437 8 0
To the Government of Cochin	26,866 0 0
To the Government of Travancore	3,358 0 0
	50,661 8 0

	Rs. A. P.
(*h*) Revenue Account	6,79,041 6 6*
Capital Account	5,57,680 0 1
	12,36,721 6 7

*Includes Rs. 8,731 being the amount of Accident Fund Account.

(*i*) Includes Rs. 13,330 being the amount of the Accident and Renewals and Replacement Funds Account.

ADMINISTRATIVE OFFICE, COCHIN HARBOUR,
WILLINGDON ISLAND P. O.,

Dated 5th August 1938.

A. G. MILNE,

Deputy Harbour Engineer-in-Chief and Administrative Officer.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE.

NOTIFICATION.

New Delhi, the 21st September 1938.

No. 7150.—In supersession of this office Notification No. 10160, dated 20th November 1937, Mr. Harnam Singh, Farm Superintendent, Agricultural Sub-Station, Karnal, is granted leave on average pay for 4 months combined with leave on half average pay on medical certificate for 4 months, from 16th November 1937.

B. VISWA NATH,

Director.

ROYAL INDIAN NAVY.

NOTIFICATIONS.

LEAVE.

Bombay, the 24th September 1938.

No. 56.—Lieutenant A. T. J. Cole, R.I.N., is granted 11½ months' absence from India, with effect from 24th September 1938. The first 3 months will reckon as privilege leave and balance on private affairs except time spent on instructional courses.

No. 57.—Engineer-Lieutenant Z. W. Stephenson, R.I.N., is granted 8 months' combined leave out of India, on private affairs, with effect from 24th September 1938. The first 3 months will reckon as privilege leave.

C. J. NICOLL,

Captain,

for Flag Officer Commanding,

Royal Indian Navy.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATION.

Simla, the 23rd September 1938.

No. 2-An.—Mr. Keshwanand, an Officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command, reverted to his substantive grade, with effect from the afternoon of the 17th September 1938.

M. R. COBURN,

Military Accountant General.

GOVERNMENT OF THE UNITED PROVINCES.

Education Department.

NOTIFICATION.

MISCELLANEOUS.

Allahabad, the 13th September 1938.

No. F./672/XV-824.—The agreement printed below which has been entered into by the Vidya Pracharak Sabha, Gangoh, District Saharanpur, in accordance with the provisions of part VII of the Land Acquisition Act, 1894 (I of 1894), as amended by the Land Acquisition Amendment Act, 1923 (XXXVIII of 1923), is hereby published for general information under section 42 of the said Act.

AGREEMENT.

An agreement made on the 1st day of September 1938 between the Governor of the United Provinces (hereinafter called the "Governor") of the one part and the Vidya Pracharak Sabha, Gangoh, District Saharanpur, a Society registered under the Societies Registration Act XXI of 1860 (hereinafter called the "Society") of the other part.

Whereas the Society has made an application to the Government of the United Provinces (hereinafter called the Provincial Government) to acquire for the purposes of the Society under the provisions of the Land Acquisition Act, 1894, the plots of land described in the Schedule hereto and delineated on the plan hereto annexed. And whereas the Provincial Government is satisfied that the Society is a company within the meaning of Section 3 (*e*) of the said Land Acquisition Act; And whereas the Provincial Government after making and holding such inquiry as is required and prescribed by law is satisfied that the acquisition of the said plots of land is needed for constructing a building for Hindu Anglo-Nagri High School, Gangoh, District Saharanpur, and that such work is likely to prove useful to the public; And whereas under Section 41 of the said Land Acquisition Act, it is necessary that the Society should enter into an agreement with the Governor regarding matters specified in the said section. Now the parties hereto hereby agree and declare as follows:—

1. That the Society will pay to the Provincial Government or to such person or persons as the Provincial Government may appoint in this behalf all such sum or sums of money as shall be awarded under the provisions of the said Land Acquisition Act as compensation to any person or persons who may be found on inquiry held as therein provided to be interested in the said plots of land.

2. That the Society will pay from its funds to the Provincial Government the charges of and incidental to acquisition of the said plots of land under the provisions of the said Land Acquisition Act.

3. That upon the Society having made the payments mentioned in the first and second clauses hereof the Provincial Government will

forthwith in consideration of such payments convey and grant to the Society the said plots of land described in the schedule hereto and shown on the plan annexed hereto free from all encumbrances and occupancy rights and together with all rights, easements and appurtenances thereto belonging or enjoyed therewith to hold the said plots of land to the Society for ever subject to the conditions hereinafter set forth namely:—

(a) That the Society will perpetually hold and use the said plots of land for the purpose of a school building for the Hindu Anglo-Nagri High School, Gangoh, District Saharanpur, and except with the previous sanction in writing of the Provincial Government, for no other purpose.

(b) That the Society will, within three years from the date of being put in possession of the said plots of land, construct the school building and other connected works and will maintain the same at its own expense.

(c) That the public shall be allowed the benefit of such buildings and other works connected therewith in accordance with the rules of the Society governing the admission of the public to the grounds of the said Hindu Anglo-Nagri High School, Gangoh, District Saharanpur, now in force or hereafter to be made by it and the Society will not alter its rules in such a manner as would in effect exclude the public from such benefit as aforesaid or restrict the right of the public to such benefits to any considerable extent.

(d) That the Society will erect at its own expense a Pacca wall 4 ft. high around the Khan compound excluded from the acquisition which compound is delineated on the plan annexed hereto and thereon shown in dotted lines and will leave a passage on the said plots of land for access to the said compound.

(e) That if the Society shall commit a breach of any of the covenants by the Society herein contained it shall be lawful for the Governor to enter upon the said plots of land or any of them in the name of all and take the same for his own use; and thereupon the said plots of land and all buildings and other works thereon shall vest in the Governor and the Society shall not be entitled to any compensation therefor.

Provided that and it is hereby agreed that the expression "the Governor" hereinbefore used includes his successors and assigns and the expression "the Society" hereinbefore used includes its successors and assigns.

In witness whereof the parties have hereto set hands the day and year first above written.

KEDAR NATH VAISH,
Honorary Secretary,
Hindu Anglo-Nagri High School,
Gangoh.

Witness—

1. LAKSHMI CHAND, B.A., LL.B.,
Vakil, Gangoh.

2. D. BHARADWAJA,
L.R.C.P. & G. (Edin).
Ex.-Lt., I.M.S.

P. M. KHAREGAT,
Secretary to Government,
United Provinces,
Education Department.

Witness—

1. B. BANERJI,
Civil Secretariat,
1-9-38.

2. B. L. SAH,
Civil Secretariat,
United Provinces,
1-9-38.

The schedule herein referred to.

Mahal Mazbata Gangoh.	No. Khewat.	No. plots.	Areas	
			Bighas.	Biswas.
	461	5060	2	0
	492	5067	2	3
	458/11	5068/1	0	14
	458/9	5068/2	0	13
	458/10	5068/2	0	15
	458/9	5072	1	0
	443	5073	1	15
	458/7	5074/1	1	14
	458/5	5074/2	0	17
	458/8	5074/3	0	17
	435	5075	1	6
	461	5076	2	4
	435	5077	1	2
	435	5078	0	14
Total .		14	17	14

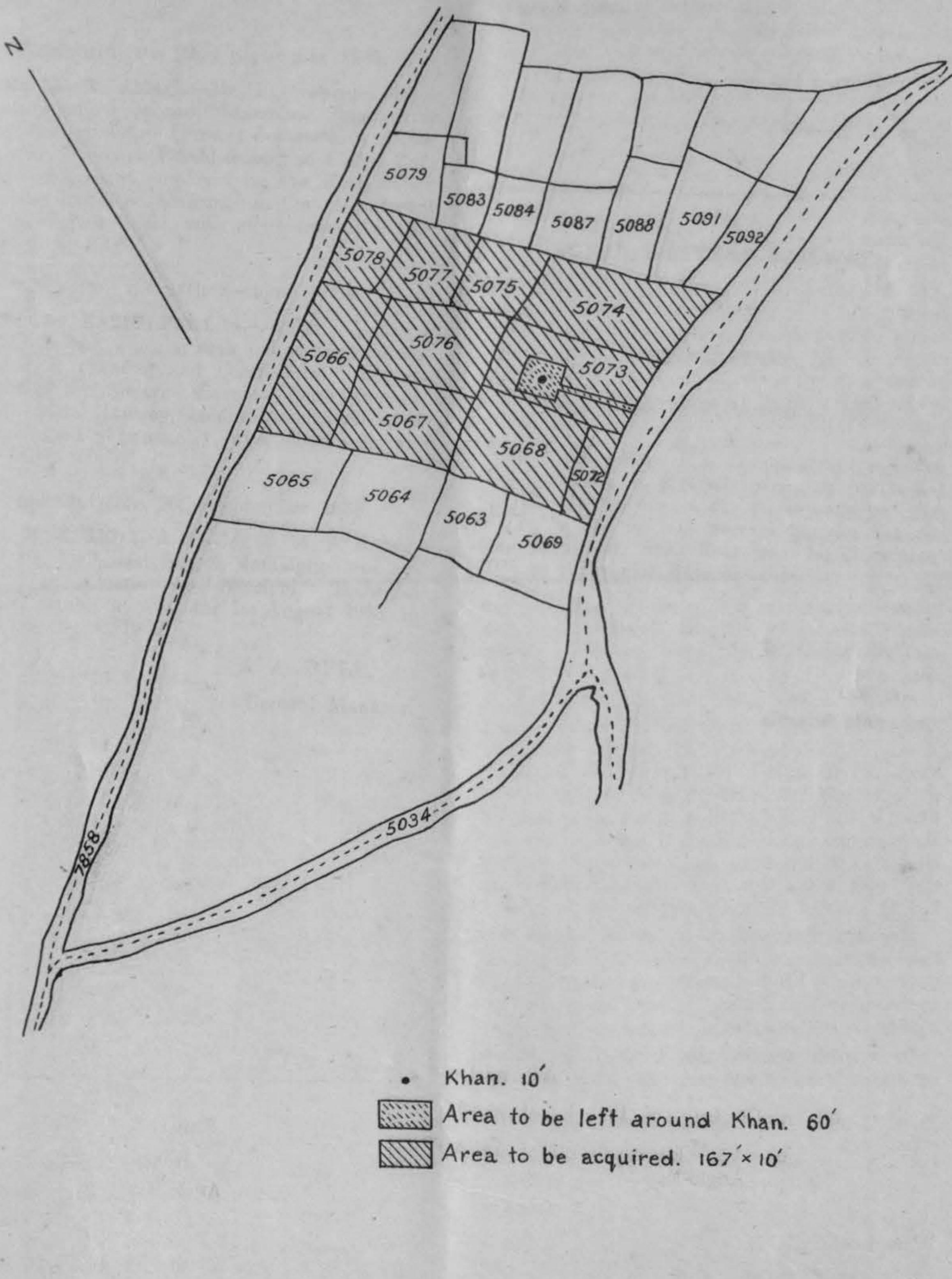
KEDAR NATH VAISH,
Honorary Secretary,
Hindu Anglo-Nagri High School,
Gangoh.

P. M. KHAREGAT,
Secretary to Government,
United Provinces,
Education Department.

The 1st September 1938.

LAND PLAN SHOWING THE LAND TO BE PERMANANTLY ACQUIRED FOR H. A. N. HIGH SCHOOL, GANGOH.

Scale – 1" = 2 Chains.



(Sd.) P. M. KHAREGAT,
Secretary to Government,
United Provinces,
Education Deptt.

(Sd.) KEDAR NATH VAISH,
Hony. Secretary,
H. A. N. High School.
7-10-1936.

GOVT. CENTRAL PRESS, ALLAHABAD.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 20th September 1938.

No. A. E. 2134/Prom. 4.—Mr. A. G. Khan, Assistant Superintendent, Junior Scale, Transportation (Traffic) and Commercial Department of the Superior Revenue Establishment, East Indian Railway, is promoted to the Senior Scale, provisionally, with effect from the 8th July 1938.

Calcutta, the 22nd September 1938.

No. A. E. 2134/5.—Mr. K. Swarup, probationary officer in the Mechanical Engineering and Transportation (Power) departments of the Superior Revenue Establishment of State Railways at present employed on the East Indian Railway has been confirmed in that department in the Junior Scale, with effect from the 19th September 1938.

Calcutta, the 24th September 1938.

No. A. E.-2134-Prom. 4.—Khan Bahadur M. A. Rashid, a senior scale officer of the Transportation (Traffic) and Commercial Departments of the Superior Revenue Establishment, East Indian Railway, holding provisional rank, is confirmed permanently, with effect from the 8th July 1938.

Calcutta, the 26th September 1938.

No. M. E. 330/20-A.-1.—Mr. V. M. S. Bailey, Lecturer, Technical School, Jamalpur, was appointed to officiate as Principal, Technical School, Jamalpur, from the 1st August 1938, to the 31st August 1938.

J. A. BELL,

General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 15th September 1938.

No. 26.—Mr. R. W. Taylor, Officiating Chief Engineer, is granted leave on average pay for 3 months and 14 days, with effect from the 14th October 1938.

A. F. HARVEY,

General Manager.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 19th September 1938.

No. 100.—Mr. H. G. Handley, Chief Draughtsman, is granted leave (out of India) for 12 months, *viz.*, leave on average pay for 8 months and on half average pay for the remaining period, with effect from 1st November 1938 or subsequent date of relief.

C. F. CARSON,

Colonel,
General Manager.

REGISTERED No. L. 3131.

CORRIGENDA.

068. *Gazette of India*, Part II, dat d
ember 1938, in the Notice regarding
otes, in the name of the Currency
hore, *for* "J. MACLEAN" *read*
AND" and in the Name and address
r "Purani Mani" *read* "Purani

The Gazette of India

NEW DELHI, SATURDAY, OCTOBER 8, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette.*

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

PRICE OF SINGLE ISSUES.

	Including packing and Indian postage.		
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Complete Gazette including Supplement, but *excluding* Part I-A	1	0	0
Parts I, II, II-A, III or Supplement each	0	6	0
Parts I-A, IV or V each	0	3	0
Extraordinary issues	Price fixed for each issue individually		

There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to all Central and Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 8th October 1938.

SPECIAL NOTICE.

There will be no notification on the 15th October 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

September 24, 1938.

25711. H. Goerz and Dr. A. Rennert, trading as Achslager-S'yndikat. Improvements in or relating to packing rings.

September 26.

25712. Modern India Manufacturing Co. Method of and apparatus for adapting a light oil engine to be worked with heavy oil.

25713. Hannoversche Maschinenbau-Actien-Gessellschaft vormals Georg Egestorff (Hanomag). Improvements relating to a fuel feed for engines for dust fuels with mixture suction.

25714. W. & T. Avery Ld. Improvements relating to zeroising means for totalising apparatus.

25715. La Reliephographie, Societe pour l'Exploitation des Procedes de Photographies en relief Maurice Bonnet. Improvements in and relating to sterioscopic photography.

25716. M. J. Udy. Improvements in the metallurgy of chromium ores and the manufacture of chromium alloys therefrom.

September 27.

25717. Guman Chand. Tasila cloth or Uda cloth, Bukhari sutri cloth.

25718. Magnesium Metal Corporation Ltd. Improvements in and relating to the condensation of metallic vapours. (October 28, 1937).

25719. P. K. Ghosh. An attachment for doors, windows and the like.

25720. R. K. Budhimanta Singha. Improvements in or relating to gramophones.

25721. A. D. Majangavalla. Improvements in or relating to globes or glass shades.

25722. J. N. Jana. An improved padlock.

25723. T. D. Spencer and The Patent Lighting Co. Ld. Improvements in or relating to dynamo-electric machines. (October 4, 1937).

25724. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to radio receivers. (October 5, 1937).

25725. The General Electric Co. Ld. Improvements in electric discharge devices. (April 11, 1938). Addition to No. 25582.

25726. James A. Jobling & Co. Ld. Handle for cooking utensils.

25727. F. Singer. Improvements relating to reciprocatory feed mechanisms for metal working machines.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24509. A. C. Slotemaker. Method and machine for rolling and twisting tealeaf. *Between vertical rolling table surfaces.*

24540. J. O. Farrer. Improvements in or relating to sheet metal containers. (December 11, 1936). *Joined by interlocking hooks having spaced relatively small indendations or projections to permit the free flow of solder.*

25006. A. Reidinger. Improvements relating to valve gears for steam and other reversible engines. (March 11, 1937). *Pair of cams arranged for differential operation upon valve reversing gear varying valve events relative to travel of engine piston and means adjusting one cam independent of other.*

25125. K. C. Bhappu and P. K. Bhappu. Improvements in or relating to tiffin carriers and the like. *Three or more straps one of which being movable so as to enable vessels to be removed.*

25169. K. C. Bhappu and P. K. Bhappu. Improvements in or relating to tiffin carriers and the like. [Addition to No. 25125]. *Means for locking comprising pivoted pin secured to the movable strap of the carrier.*

25170. K. C. Bhappu and P. K. Bhappu. Improvements in or relating to tiffin carriers and the like. [Addition to No. 25125]. *Providing an additional chamber to the carrier of 25125*

25190. Imperial Chemical Industries Ld. Improvements in or relating to the degreasing of metal and like non-absorbent articles with volatile solvents. (June 8, 1937). *Degreasing solvent consisting of a liquid chlorinated aliphatic hydrocarbon together with small quantities of water, a water soluble soap and an alophatic alcohol.*

25227. Les Usines De Melle. Improvements in or relating to dehydration by azeotropic distillation. *Decanting condensed ternary mixture of minimum boiling point while warm, withdrawing the aqueous layer, cooling and decanting it.*

25260. J. C. Williams and Stewart Automatic Freezers Ld. Soft ice cream machine. *Freezing chamber having an inlet and an outlet port, a rotary agitator for conveying the mixture from inlet to outlet.*

25341. L. Frohlich. An improved process for producing a wool-like spinnable fibre from jute raw fibre. *Bleached jute raw fibres led as stricks through cold soda lye of 14—20° Be for about 2—8 minutes.*

25368. L. Muller. Improvements in or relating to the manufacture of refractory materials. (June 22, 1937). *Iron oxide mixed with calcined magnesite.*

25377. Universal Cellulose (Proprietary) Ld. Improvements in or relating to a fermentation process for the preparation of paper-pulp from incrusted cellulose fibres. (June 30, 1937). *Paper pulp from bagasse by fermenting by natural bacteria.*

25384. Aristoc Ld. Improvements in or relating to cartons, envelopes and like containers. (February 16, 1938). *Plurality of co-operative fastening portions bearing adhesive which automatically and firmly adheres with heat or moisture.*

25387. H. A. G. Gunnelius and N. H. Liander. An improved process for the recovery of type-metal and similar alloys. (December 9, 1937). *Dross fused with zinc chloride.*

Patents sealed.

23932. Imperial Hat Works.
23966. Humoco Corporation.
24009. Photosculpture Ld.
24226. I. G. Farbenindustrie Aktiengesellschaft.
24373. Imperial Chemical Industries Ld.
24528. Max Factor & Co.
24529. A. M. Byers Co.
24549. Seri Holding S. A.
24632. Imperial Chemical Industries Ld.
24700. May & Baker Ld.
24819. J. Stone & Co. (India) Ld.
24837. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag).
24864. N. V. Philips' Gloeilampenfabrieken.
24879. Chaubal.
24904. Wire-Wound Gas Containers Ld.
24914. The Continental Investment Syndicate Ld.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest:—

Nos. 18962 and 19089. Sir W. G. Armstrong Whitworth & Co. (Engineers) Ld.

Renewal Fees Paid.

PATENTS.

10806. Creed & Co. Ld. and anr. (To 4th November 1939).
10821. International General Electric Co. Inc. (To 10th November 1939).
11861. Western Electric Co. Ld. (To 28th November 1939).
12833. Dr. Lilienfeld. (To 20th December 1939).
13670. Algrain. (To 12th October 1939).
14937. The Pure Oil Co. (To 30th October 1939).
15140. International General Electric Co. Inc. (To 17th December 1939).
17254. Standard Telephones & Cables Ld. (To 27th November 1939).
17555. Standard Telephones & Cables Ld. (To 17th November 1939).
17612. Groves. (To 30th December 1939).
17629. International General Electric Co. Inc. (To 15th December 1939).
17782. The General Electric Co. Ld. (To 17th December 1939).
18405. Dr. Reiffenstein. (To 5th October 1939).
18451. Automatic Telephone Manufacturing Co. Ld. (altered to Automatic Electric Co. Ld.). (To 1st November 1939).
18678. Aktiebolaget Ljungstroms Angturbin. (To 2nd November 1939).
19250. Rossati. (To 26th September 1939).
19322. The General Electric Co. Ld. (To 20th November 1939).
19494. The General Electric Co. Ld. (To 4th November 1939).
19504. International General Electric Co. Inc. (To 19th December 1939).
19544. The General Electric Co. Ld. (To 25th November 1939).
19597. The General Electric Co. Ld. (To 19th December 1939).
20310. Vroonen. (To 16th October 1939).
20480. The General Electric Co. Ld. (To 20th November 1939).
20968. Standard Telephones & Cables Ld. (To 24th November 1939).
21208. Kilfitt. (To 24th September 1939).
21214. Mulay. (To 25th September 1939).
21301. Coutts and anr. (To 27th November 1939).
21324. The General Electric Co. Ld. (To 10th November 1939).

21330. Rodwell. (To 12th December 1939).
21379. Automatic Electric Co. Ld. (To 19th November 1939).
21441. International General Electric Co. Inc. (To 10th December 1939).
22248. The General Electric Co. Ld. (To 6th November 1939).
22350. The General Electric Co. Ld. (To 19th November 1939).
22366. The General Electric Co. Ld. (To 17th December 1939).
22392. The General Electric Co. Ld. (To 28th December 1939).

Cessation of Patents.

16197. C. F. Burgess Laboratories Inc.
18067. Broscombe and anr.
19012. Imperial Chemical Industries Ld.
19013. Imperial Chemical Industries Ld.

Restoration Proceedings.

Notice is hereby given that an order was made on the 26th September 1938, restoring the patent granted to Walter Peyinghaus, for an invention for "Improvements in or relating to means for lubricating axle bearings or journals", numbered 16002 and dated as of the 10th May 1929.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets:—

Class 3. No. 63612. Mahajan Brothers, of Sialkot City, Punjab, British India. July 29, 1938.

Class 13. Nos. 63755 and 63756. The Ahmedabad Manufacturing and Calico Printing Co. Ld., of Ahmedabad, British India. September 12, 1938.

Class 13. Nos. 63759 to 63767, 63769 to 63781, 63783 to 63789, 63791 and 63792. Toyo Menka Kaisha, Ld., of No. 5 Royal Exchange Place, Calcutta, British India. September 13, 1938.

Class 14. No. 63756. The Ahmedabad Manufacturing and Calico Printing Co. Ld., of Ahmedabad. British India. September 12, 1938.

Class 14. Nos. 63793 to 63797. Toyo Menka Kaisha, Ld., of No. 5, Royal Exchange Place, Calcutta, British India. September 13, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of the entry is the date of registration of the design included in the entry:—

Class 4. Nos. 57546 and 57547. The Commonwealth Trust Ld., of Calicut, Malabar, British India. December 22, 1933.

Class 13. Nos. 57401 and 57402. The Bombay Co. Ld., of 19, British Indian Street, Calcutta, British India. November 17, 1933.

(1)

Provisional subject matter index for the quarter ending 30th September 1938.

A

Adhesive materials. 25448.

Advertising and displaying. 25418, 25581.

Aerating liquids. 25702.

Agriculture. 25423, 25499.

Alloys. 25432, 25470, 25482, 25665, 25716.

Animals, feeding, catching and destroying. 25540, 25667.

B

Bearings. 25711.

Bolts, studs, nuts washers and rivets. 25644, 25673.

Books, stationery seals, ciphers and educational appliances. 25422.

Bottles, jars and like vessels. 25677, 25678

Boxes and cases. 25578, 25709.

Brakes and retarding apparatus. 25549.

Bricks, blocks, slabs, tiles and pottery. 25670.

Buildings and structures. 25669.

Burners and burner fittings. 25465, 25514.

C

Calculating, counting and cash registering apparatus. 25586, 25714.

Carbon compounds, organic. 25419, 25440, 25509, 25539, 25567, 25603, 25627, 25660, 25663.

Casting metals. 25426, 25431, 25542.

Cellulose, non-fibrous and derivatives thereof. 25532, 25577.

Cement and like compositions. 25489, 25510, 25533, 25565, 25609, 25688.

Chemical compounds, inorganic. 25704.

Chemical processes and apparatus. 25464, 25466.

Cinematography. 25521, 25641.

Closets, baths and like sanitary appliances. 25500, 25573.

Coking and gas producers. 25506, 25513.

Cooking, baking and Kitchen appliances. 2572[illegible]

Cooling and ice-making. 25449, 25480.

Cutting punching and perforating paper, fabrics and the like 25474

D

Disinfecting and deodorizing, including medical and like preparations. 25434, 25675.

Doors and windows. 25703, 25719.

Dress and dress fastenings. 25555.

Drying systems and apparatus. 25535.

Dyeing, bleaching, washing and like treatment of textiles with liquids and gases. 25416, 25460, 25483, 25508, 25556, 25648.

(2)

Name index of applicants for patents during the quarter ending 30th September, 1938.

W

W. & T. Avery Ld. 25714.
Wadaye, G. T. 25504.
Ward, (Miss) E. 25477.
Warren, W. 25420.
Wasan & Co. 25642.
Whitelegg & Rogers Ld. 25607, 25608.
Whitelegg, R. H. 25607.
Williams, W. E. 25408.
Wired Radio, Inc. 25617.
Woodroffe, T. E. 25667.
W. T. Henley's Telegraph Works Co. Ld. 25659.

Y

Yorkshire Copper Works Ld. 25707.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week day except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available:—

BANGALORE . .	. Indian Institute of Science.
Do. . .	. Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . .	. Department of Commerce and Industries.
BERLIN . .	. The Reich Patent Office.
BOMBAY . .	. Office of the Director of Industries.
CALCUTTA . .	. Patent Office, No. 1, Council House Street.
CAWNPORE . .	. Harcourt Butler Technological Institute.
DACCA . .	. Sadar Registration Office.
DELHI . .	. Office of the Superintendent of Industries.
LAHORE . .	. Punjab Public Library.
LUCKNOW . .	. Amiruddaula Public Library.
MADRAS . .	. Record Office, Egmore.
Do. . .	. College of Engineering.
PATNA . .	. Office of the Director of Industries, Bihar and Orissa.
POONA . .	. Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	. Office of the Chief Secretary Home and Political Department, Government of Burma.
WASHINGTON, (U. S. A.).	. The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON. .	. Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

RESERVE BANK OF INDIA.

NOTICE.

1. It is hereby notified that the election of members of the Local Board of the Reserve Bank for the Northern (Delhi) Area shall be held on Tuesday, the 15th November 1938, at the Diwan Hall, Patharwala Kuan, Chandni Chowk, Delhi, from 9 A.M. to 1 P.M. and from 2 P.M. to 5 P.M.

2. A shareholder of the Bank who has been registered on the register of this Area for a period of not less than six months ending with the date of election, as holding five shares will have one vote, and each shareholder so registered as having more than five shares will have one vote for each five shares, but subject to a maximum of ten votes, and such votes may be exercised by proxy appointed on each occasion for that purpose, such proxy being himself a shareholder entitled to vote at the election and not being an employee of the Bank.

3. A list of the shareholders holding five or more shares with the dates on which their shares were registered and with their registered addresses and the number of votes to which each will be entitled will be published on or before the 17th October 1938. The list will be divided into two parts, the first containing the names of those who on the 15th November 1938 will have been registered shareholders for a period of not less than six months, and the second containing the names of the remainder, and such parts, will be available for purchase separately at a price of eight annas for each copy on application at the local office of the Bank.

4. The number of members to be elected for the Local Board is five. Nomination papers must be received in the office of the Secretary of the Local Board not later than 24th October 1938. Instruments of proxy must be received by the office of the Bank not later than 4th November 1938. Detailed procedure for the election is laid down in the Bank's Election Regulations which will be available for purchase at the local office of the Bank at a price of annas eight for each copy.

By order of the Local Board of the Reserve Bank of India, Northern (Delhi) Area,

J. N. AHUJA,
Secretary.

RESERVE BANK OF INDIA, DELHI;
The 8th October 1938.

Central Office.

NOTIFICATIONS.

Bombay, the 29th September 1938.

No. 33.—1. Mr. G. D. Banerjee is appointed Assistant Currency Officer, Reserve Bank of India, Issue Department, Rangoon, as from the afternoon of the 17th September 1938, *vice* Mr. D. Venkatrayalu reverted as Senior Superintendent.

Bombay, 3rd October 1938.

No. 34.—Mr. P. K. Basu is appointed Currency Officer, Reserve Bank of India, Issue Department, Calcutta, as from the afternoon of the 28th September 1938, *vice* Mr. S. Gupta reverted to the Indian Audit and Accounts Service.

MANILAL B. NANAVATI,
Deputy Governor.

GOVERNMENT OF INDIA.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATION.

Simla, the 30th September 1938.

No. D.-461 (10).—Mr. M. Nizam-ud-din Ahmed, Dipl. Ing. (Berlin), M.V.D.E. (Berlin), Assistant Engineer (Inspection), Calcutta Circle, Indian Stores Department, is posted to the Upper India Inspection Circle, Indian Stores Department, Lahore, with effect from the 24th September 1938, the unexpired portion of the leave sanctioned in this Department Notification No. D.-461 (10), dated the 6th August 1938, being cancelled.

J. S. PITKEATHLY,
Chief Controller of Stores.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on:
- Week-days and Saturdays from 10 A.M. to 7 P.M.
- Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 8th October 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Return of the Rupee Debt of the Central Government of India for 31st July 1938.

[Thousands of Rupees.]

PUBLIC DEBT BEARING INTEREST.

articulars.	Date of issue.	Conditions of Repayment.	Amount out-standing.	Total.
			Rs.	Rs.
ry Bills .	..	....	43,56,00	
nd Means Ad-s.	..	....	..	
Office Cash ficates.	..	....	59,59,44	
ffice Savings Deposits.	..	....	81,14,77	
nt Funds and er Unfunded	..	....	94,51,73	2,78,81,94
able Loans—				
an, 1938-40 .	1st Oct. 1932 .	On or before 1st October 1940, but not preceding 1st October 1938, with three months' previous notice.	7,76,45	
n, 1939-44 .	15th July 1929	On or before 15th July 1944, but not preceding 15th July 1939, with three months' previous notice.	20,07,03	
n, 1940-43 .	1st Oct. 1932 .	On or before 1st October 1943, but not preceding 1st October 1940, with three months' previous notice.	25,18,48	
ds, 1941 . .	15th Sept. 1934	On 15th September 1941 .	10,67,32	
ds, 1943 . .	1st Feb. 1933 .	On 1st August 1943 . .	14,97,18	
come Tax Free , 1945-55.	15th Oct. 1919	On or before 15th October 1955, but not preceding 15th October 1945, with three months' previous notice.	56,74,94	
an, 1947-50 .	15th May 1933	On or before 15th November 1950, but not preceding 15th November 1947, with three months' previous notice.	55,94,37	
an, 1948-52 .	1st June 1936 .	On or before 1st June 1952, but not preceding 1st June 1948, with three months' previous notice.	12,01,28	
n, 1951-54 .	15th Sept. 1935	On or before 15th September 1954, but not preceding 15th September 1951, with three months' previous notice.	15,12,85	
an, 1955-60 .	15th Sept. 1928	On or before 15th September 1960, but not preceding 15th September 1955, with three months' previous notice.	9,05,70	
n, 1960-70 .	15th Sept. 1926	On or before 15th September 1970, but not preceding 15th September 1960, with three months' previous notice.	63,30,26	
n, 1963-65	19th May 1938	On or before 13th June 1965, but not preceding 1st June 1963, with three months' previous notice.	26,31,22	3,17,17,08
erminable s—				
and half per —				
43 . . .	1st Feb. 1843 .	At the option of the Government of India after three months' notice.	24,58,15	
55 . . .	30th June 1854.	Ditto . . .	20,75,67	
coupon (a) .	..	Ditto . . .	5,30	
. . .	1st May 1865 .	Ditto . . .	38,49,67	
ued, 1879 .	16th Jan. 1879.	Ditto . . .	2,70,89	
01 . . .	30th June 1900	Ditto . . .	36,42,43	1,23,02,11
per cent.—				
97 . . .	22nd July 1896	Ditto . . .	3,23,54	3,23,54
ay Loans—				
raja Holkar, 4½	(1870-77). .	After 101 years . . .	70,00	
raja Scindia, 4	..	..	1,50,00	2,20,00
		Total .		7,24,44,67*

PUBLIC DEBT NOT BEARING INTEREST.

Particulars.	Date of discharge.	Amount.
		Rs.
5½% War Bonds, 1920.	15th Aug. 1920.	2,86
5½% War Bonds, 1921.	15th Sept. 1921.	2,52
5½% War Bonds, 1922.	15th Aug. 1922.	1,79
5½% War Bonds, 1923.	15th Sept. 1923.	47
4% Terminable Loan of 1915-16.	30th Nov. 1923.	25
5½% War Bonds, 1925.	15th Sept. 1925.	17
6% Bonds, 1926.	15th Sept. 1926.	93
6% Bonds, 1927.	1st Oct. 1927.	1,50
5½% War Bonds, 1928.	15th Sept. 1928.	1,32
6% Bonds, 1930	15th Aug. 1930.	3,73
6% Bonds, 1931.	15th Sept. 1931.	27
6% Bonds, 1932.	1st Oct. 1932.	1,18
5% War Loan, 1929-47.	15th May 1933.	4,11
4% Conversion Loan of 1916-17.	1st July 1933.	58
6% Bonds, 1933-36.	15th Aug. 1933.	2,19
5% Bonds, 1933.	1st Sept. 1933.	1,97
4% Loan, 1934-37.	16th Aug. 1934.	2,63
4½% Bonds, 1934.	15th Sept. 1934.	2,10
5% Bonds, 1935.	15th Sept. 1935.	1,72
6½% Treasury Bonds, 1935.	15th Sept. 1935.	8,30
Total .		40,59

(a) Issued in London in conversion of the 4½ per cent. Loan.
* Amount held in London is 7,60,88.

e of the Accountant General, Central Revenues.
New Delhi, the 29th September 1938.

M. SUBRAHMANYAN,
Accountant General, Central Revenues.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona, 5, the 29th September 1938.

No. G.-26366/P.-115.—Mr. C. Ramaswamy, M.A. (Hons.) (Madras), Assistant Meteorologist, is granted an extension of leave on average pay for eighteen days with effect from the 28th September 1938 in continuation of the leave granted to him in this department notification No. G.-18977/P.-115, dated the 12th July 1938. He is transferred to the Meteorological Office, Poona, on the expiry of the leave.

No. G.-26367/P.-115.—Mr. U. N. Ghosh, M.Sc. (Cal.), Professional Assistant, Dum Dum, continues to officiate as Assistant Meteorologist up to 11th October 1938 (inclusive) or any earlier date on which he is relieved, *vice* Mr. C. Ramaswamy granted extension of leave.

C. W. B. NORMAND,

Director General of Observatories.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 28th September 1938.

No. 5-An.—Mr. C. K. Nair, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Southern Command reverted to his substantive grade with effect from the afternoon of the 16th September 1938.

Simla, the 29th September 1938.

No. 98-An.—Mr. Brij Narayan, Deputy Controller of Military Accounts, Lahore, is granted an extension of furlough on full average salary for the period from the 14th September 1938 to the 12th November 1938 with permission to affix Sunday the 13th November 1938.

No. 405-An.—The Hon'ble T. Sinha, Deputy Controller of Military Accounts, Southern Command, is granted combined leave ex-India for 3 months and 15 days from the 26th September 1938 to the 9th January 1939, consisting of privilege leave for one month and the balance furlough on half average salary with permission to prefix Sunday the 25th September 1938 to the leave.

M. R. COBURN,

Military Accountant General.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 27th September 1938.

No. 28.—Mr. S. S. Halder, Asstt. Traffic Superintendent is granted leave on average pay for 2 months and 16 days, with effect from the 8th October 1938, with permission to prefix D. P. holidays from 28th September to 7th October and affix X'mas holidays from 24th December to 2nd January 1939.

L. W. VAN SOMEREN,

Traffic Manager.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 23rd September 1938.

No. 102.—Mr. G. J. Eades, Deputy Chief Engineer, Signals, is granted leave (out of India) preparatory to retirement for 2 years, 3 months and 28 days, viz., leave on average pay for two months and 8 days and on half average pay for the remaining period with effect from 13th November 1938 or subsequent date of relief.

Lahore, the 29th September 1938.

No. 103.—Mr. T. N. Kunzru, Offg. Deputy Chief Engineer, is granted leave on average pay for two months with effect from 21st October, 1938, or subsequent date of relief.

C. F. CARSON,

Colonel,

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 30th September 1938.

No. 21620-S./2210.—Mr. K. M. Rau, Assistant Electrical Engineer (Junior Scale "A") has been granted one month and 3 days' privilege leave from 19th September 1938.

Mr. P. R. Harper, Personal Assistant to the Chief Mechanical Engineer (Lower Gazetted Service) has been granted 2 months and 29 days' privilege leave from 19th September 1938.

Mr. H. Alijan, Assistant Transportation Superintendent, Distribution (Junior Scale) who was granted combined leave for 5 months and 22 days from 1st November 1937 as previously notified, had his leave extended to make up a total of 6 months and 23 days combined leave (viz., privilege leave for 1 month and 25 days and the balance furlough on full pay).

J. H. F. RAPER,

General Manager.

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(2) Prices are inclusive of packing and Indian postage.

ACTS AND LAW BOOKS.

Acts.

1926.

XVI. **INDIAN TRADE UNIONS ACT**—As modified up to 1st August 1938. *As. 2 or 3d.*

XXIII. **DELHI JOINT WATER AND SEWAGE BOARD ACT**—As modified up to 1st September 1938. *As. 3 or 4d.*

General.

MERCHANDISE MARKS LAW—

CD.34. Report on certain proposals for the Revision of the —. *As. 5 or 6d.*

REGISTRATION OF TRADE MARKS IN INDIA—

CD.33. Report on the Proposal to Enact Legislation to facilitate the —. *As. 10 or 1s.*

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Statutes, Rules and Orders.

IL.47. **CENTRAL TRADE UNION REGULATIONS,** 1938. *As. 2 or 3d.*

CINEMATOGRAPH ACT, 1918—

CCD.1.38 Rules made by the Chief Commissioner, Delhi—Amended up to 30th June 1938. *As. 12 or 1s. 3d.*

IL.48 **TRADE DISPUTES (CENTRAL) RULES,** 1938. *Anna 1 or 1½d.*

Unrepealed Central Acts.

UNREPEALED CENTRAL ACTS, 1938—

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INDIAN JOURNAL OF AGRICULTURAL SCIENCE—

ICAR.5.VIII.4. Vol. VIII, Part IV, August 1938. *As. 3 or 5s. 3d.*

Contents :—

ORIGINAL ARTICLES—

Studies in Indian Fibre Plants, No. 6. Phyllody and some other Abnormalities in the Flower of Sunn-hemp (with Plates XVI and XVII) (Bose and Misra).

A Note on the Occurrence of Chlorophyll Deficiency in *Gossypium Arboreum*. (Hutchinson and Bhola Nath).

A Note on Seed-setting and Seed germination in certain Sugarcanes (with Plate XVIII) (Dutt, Krishnaswami and Rao).

A Note on the Use of Sub-acetate of Lead in the Clarification of Sugarcane Juice for the Estimation of Reducing Sugars by the Potassium Ferricyanide Method. (Khanna and Sen).

Denitrification in the Presence of Sugars (with one text-figure). (Desai and Fazal-ud-Din).

Studies on Quality in Rice, I. Effect of Milling on the Chemical Composition and Commercial Qualities of Raw and Parboiled Rices (with two text figures). (Subrahmanyam, Sreenivasan and Das Gupta).

A Study of the Microbiological Conditions existing in Rice Soils. (De and Bose).

The Distribution, Status and Biology of Codling Moth (*Cydia Pomonella* L.) in Baluchistan with Notes on some other Insects infesting Apples (with Plates XIX—XXIV and two text-figures) (Pruthi).

A Note on Soft Rot of Pears caused by a Species of *Aspergillus* (with Plate XXV). (Prasad).

Observations on the Milling of Rice in the United Provinces (Supplementary Note). (B. L. Sethi, R. L. Sethi, Mehta and Gupta).

ARTS AND SCIENCE.

Archaeology.

MEMOIRS OF THE ARCHAEOLOGICAL SURVEY OF INDIA—

DGA.23.57. No. 57 "Numeral-Signs" of the Mohenjo-Daro Script. *Rs. 2 or 2s. 6d.*

Education.

EDUCATION DEPARTMENT, LONDON—

EHL.7.37. Report for 1936-37. *Re. 1 or 1s. 5d.*

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FEDERAL PUBLIC SERVICE COMMISSION—

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REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, OCTOBER 15, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 16th April 1938.

On and after the 23rd April 1938 and until further notice, Parts I, I-A, IV, V and Supplement to the *Gazette of India* will be published in Simla. Notifications intended for publication in those parts should be addressed to the Manager, Government of India Press, Simla. Parts II, II-A, III and Supplement (containing Cotton Press Returns) will continue to be published in New Delhi as heretofore. All notifications intended for publication in Parts II and II-A should be sent direct to the Manager, Government of India Press, New Delhi, and Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0
Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

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E. V. GREGORY,
Manager of Publications.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for July 1938.

(In lakhs of Rupees.)

	For July.		To end of July.		Whole year.	
	1937-38.	1938-39.	1937-38.	1938-39.	Revised, 1937-38.	Budget, 1938-39.
Revenue.						
Customs	3,47	3,10	13,96	12,41	43,93	[illegible]
Central Excise Duties	61	76	2,96	2,97	7,74	[illegible]
Corporation Tax	3	6	11	5	1,50	[illegible]
Taxes on Income other than Corporation Tax:—						
Gross receipts	87	83	2,51	2,24	13,50	[illegible]
Payments to Provinces	..	..	..	..	1,38	[illegible]
Net receipts	87	83	2,51	2,24	12,12	[illegible]
Salt	45	49	2,92	2,75	8,35	[illegible]
Opium	1	1	24	28	46	[illegible]
Posts and Telegraphs—Net receipts	2	—10	20	—3	1,15	[illegible]
Other heads	29	38	1,00	1,36	9,27	[illegible]
Contribution from Railways*	—69	—98	5,85	5,07	2,83	[illegible]
Total Revenue	5,06	4,55	29,75	27,10	87,35	[illegible]
Expenditure.						
Gross Debt charges	4,72	3,89	16,47	15,70	48,96	[illegible]
Deduct—Amount Chargeable to other Governments, Departments, etc.	2,48	3,09	5,20	5,82	34,12	[illegible]
Net Debt Charges	2,24	80	11,27	9,88	14,84	[illegible]
Defence Services (Net)	3,73	3,48	14,85	14,78	47,22	[illegible]
Other heads	2,42	2,83	7,52	8,11	25,29	[illegible]
Total Expenditure charged to Revenue	8,39	7,11	33,64	32,77	87,35	[illegible]
Expenditure not charged to Revenue	41	—1	1,78	2,05	2,98	[illegible]
Debt Heads—						
Permanent Debt (Net) India	—1	..	—7	+7,21	+92	[illegible]
Ditto England	—72	—74	—1,42	—1,46	—6,85	[illegible]
Treasury Bills (Net)	+1,34	—1,56	+4,63	+5,55	+6,00	[illegible]
Ways and Means Advances (Net)	..	..	..	..	..	..
Other Debt Head Transactions (Net)	+64	+65	—5,79	—5,46	+3,67	[illegible]
Total	+1,25	—1,65	—2,65	+5,84	+3,74	[illegible]
Total Transactions	—2,49	—4,20	—8,32	—1,88	+76	[illegible]
Opening Balance	4,96	13,63	10,79	11,31	8,64	[illegible]
Closing Balance	2,47	9,43	2,47	9,43	9,40	[illegible]
* Details of Railway figures.						
Receipts.						
Gross receipts	7,69	7,61	34,17	33,80	99,83	[illegible]
Deduct—Working Expenses	*5,25*	*5,48*	*20,87*	*21,49*	*64,80*	[illegible]
Surplus Profits	..	..	*38*	*32*	*52*	[illegible]
Payments to worked Lines	*21*	*18*	*1,10*	*98*	*3,02*	[illegible]
Net receipts	2,23	1,95	11,82	11,01	31,49	[illegible]
Subsidised Companies	..	2	1	3	12	[illegible]
Miscellaneous Railway Receipts	1	..	1	..	1,12	[illegible]
Total	2,24	1,97	11,84	11,04	32,73	[illegible]
Expenditure.						
Railway Revenue Account— Interest and other charges	2,93	2,95	5,99	5,97	29,90	[illegible]
Railway surplus + or Deficit—	—69	—98	+5,85	+5,07	+2,83	[illegible]

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England and India respectively cancel each other.

NEW DELHI;

Dated the 29th September 1938.

M. SUBRAHMANYAN,

Accountant General, Central Revenues.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 10th October 1938.

No. 35.—Mr. P. S. V. Nambi is appointed Currency Officer, Reserve Bank of India, Issue Department, Rangoon, with effect from the fore-noon of the 1st October 1938 *vice* Mr. S. Natarajan reverted to the Indian Audit and Accounts Service.

MANILAL B. NANAVATI,

Deputy Governor.

SURVEY OF INDIA.

Office of the Director, Frontier Circle.

NOTIFICATION.

Simla, the 5th October 1938.

No. 5.—Mr. Muhammad Najamuddin, B.A., Extra Assistant Superintendent, Survey of India, is granted, under the Fundamental Rules, leave on average pay for 24 days from 14th September 1938.

There is every likelihood of his returning to the post from which he proceeded on leave.

J. D. CAMPBELL,

Colonel,

Director, Frontier Circle.

STATIONERY AND PRINTING DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 6th October 1938.

No. 1/6/38-A. & F.—Mr. S. N. Sinha, M.A., Assistant Controller, Stationery, Calcutta, is granted leave on average pay for 4 months with effect from the 11th October 1938 or any subsequent date from which he may avail himself of the leave.

No. 1/6/38-A. & F.—Rai Sahib Benode Behari Banerjee, Superintendent, Central Stationery Office, Calcutta, is appointed to officiate as Assistant Controller, Stationery, *vice* Mr. Sinha on leave.

C. F. WEAKFORD,

Controller of Printing and Stationery, India.

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K. M. ASADULLAH,

Librarian

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 15th October 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 6th October 1938.

No. 02229-E.—On transfer from the North Western Railway Mr. K. C. Grover was appointed as temporary Assistant Electrical Engineer on probation on a pay of Rs. 250 per mensem in the scale of Rs. 250—275—350—25—400—50/2—500 with effect from the forenoon of the 15th September 1938 to 28th February 1939 against the post of Assistant Electrical Engineer in the Aviation Circle.

He was posted to the Electrical Division, Central Public Works Department, from the same date.

New Delhi, the 8th October 1938.

No. 01370-E.—On return from leave Mr. A. L. Saksena resumed charge as Financial Assistant to Chief Engineer and Rent Officer, Central Public Works Department, on the forenoon of the 29th September 1938 relieving Mr. R. W. Bronkhurst whose services were placed at the disposal of the Accountant General, Central Revenues, New Delhi, with effect from the same date.

F. T. JONES,

Chief Engineer.

GOVERNMENT OF INDIA.

INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATIONS

Simla, the 7th October 1938.

No. D.-175 (21).—Rai Bahadur D. N. Chatterjee, B.Sc. (Cal.), B.E. (Cal.), M.I.E. (Ind.), Assistant Director of Purchase, Indian Stores Department, is granted leave on average pay from the 21st September 1938 to the 8th October 1938 with permission to affix Sunday the 9th October 1938.

No. D.-456 (8).—Mr. A. N. Bose, L.T.M. (V. J. T. I., Bombay), M.Tex. Inst. (Manch.), Inspector of Stores (Textiles), Calcutta Circle, Indian Stores Department, is granted leave on average pay for two months and 14 days with effect from the 10th October 1938 to the 23rd December 1938, with permission to prefix to the leave Durga and Lakshmi Pujah holidays and Sunday from the 28th September 1938 to the 9th October 1938, and to affix Christmas holidays from the 24th December 1938 to the 26th December 1938.

Simla, the 8th October 1938.

No. D.-223 (14).—Mr. T. H. Radford, Assistant Engineer (Inspection), Calcutta Circle, Indian Stores Department, is granted leave on average pay for four months with effect from the 28th September 1938, preparatory to retirement from the service.

Simla, the 10th October 1938.

No. D.-517 (3).—Dr. Karimullah, B.Sc. (Alig.), Ph.D. (Edin.), Ph.D. (Heid.) (Germany), Assistant Research Officer, Industrial Research Bureau, Indian Stores Department, is granted 'earned' leave for seven days combined with leave on medical certificate for one month and fourteen days with effect from the 1st August 1938.

J. S. PITKEATHLY,

Chief Controller of Stores.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATION.

Poona 5, the 6th October 1938.

No. G-26852/P.-116.—Dr. R. Ananthakrishnan M.A., D.Sc. (Madras), Officiating Assistant Meteorologist, on being relieved of his duties at the Meteorological Office, Poona, on the afternoon of the 27th September 1938, is transferred to the Meteorological Office, Alipore, Calcutta.

C. W. B. NORMAND,

Director General of Observatories.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 7th October 1938.

No. 116-P.—The services of 4th Class Assistant Surgeon W. S. O'Malley, I.M.D., are placed at the disposal of the Flag Officer Commanding, R. I. N., Bombay, with effect from the 9th September 1938.

No. 117-P.—1st Class Asst. Surgn. E. Duckworth, M.B.E., I.M.D., Manager, Medical Store Depot, Lahore Cantt., is granted privilege leave for one month and 4 days with effect from the 5th September 1938 (forenoon).

E. W. C. BRADFIELD,

Major-General, I.M.S.,

Director-General, I.M.S.

CENTRAL BOILERS BOARD.

NOTIFICATION.

Simla, the 7th October 1938.

No. A.-909.—In exercise of the powers conferred by section 28 of the Indian Boilers Act, 1923 (V of 1923), as in force in Berar, the Central Boilers Board is pleased to make the following regulations, the same having been previously published as required by sub-section (*1*) of section 31 of the said Act, namely:—

REGULATIONS.

PRELIMINARY.

1. Short title, extent and commencement.—(*a*) These regulations may be called the Berar Boiler Regulations, 1938.

(*b*) They shall come into force with effect from the 1st November 1938.

2. Definitions.—In these regulations, unless there is anything repugnant in the subject or context :

(*a*) the " Act " means the Indian Boilers Act, 1923 ;

(*b*) " Inspecting Authority " means an authority recognized by the Governor General in Council as competent to grant a certificate in Form II ;

(*c*) " Inspecting officer " means—

(*i*) in respect of material manufactured or boilers constructed in British India, an officer appointed by the Governor General in Council for the purpose,

(*ii*) in respect of material manufactured or boilers constructed outside British India, an officer acting on behalf of any Inspecting Authority recognized as competent by the Governor General in Council.

PART I.

Standard conditions for the design and constructions of land boilers.

3. (1) A boiler shall not be registered under sub-section (4) of section 7 of the Act and a certificate shall not be issued under sub-section (5) of that section with reference to a boiler, unless the standard conditions in respect of material, design and construction, which are specified in this Part, are satisfied in respect of such boiler.

(2) Notwithstanding anything contained in sub-regulation (1), the Chief Inspector may, subject to the provisions of regulation 46, register a boiler and order the issue of a certificate authorising the use thereof, although the standard conditions are not fully satisfied in respect of such boiler : Provided that the Chief Inspector shall not register such boiler or order the issue of such certificate, if a structural part of such boiler which is subject to pressure is made of Bessemer process steel or of cast or malleable cast iron.

CHAPTER I.

General requirements and conditions as to material, workmanship, etc.

4. **Standard requirements.**—(*a*) **Material.**—All steel plates, rivets and bars used in the construction of boilers shall be tested and found to conform with the requirements of Chapter II.

(*b*) **Construction.**—All boilers during construction shall be under the supervision of an Inspecting Officer.

(*c*) **Inspecting Authority's certificate.**—For boilers imported into British India a certificate from an Inspecting Authority in Form II certifying that the material was tested and the boiler built under their supervision shall be furnished to the Chief Inspector before or with the application for registration. Together with such certificate the Inspecting Authority may furnish a Memorandum of inspection book in Form I prepared in the manner prescribed by regulation 160 in respect of the inspection of the boiler during construction and the hydraulic-test applied on completion. In the case of steel made and tested by well-known makers in India or Great Britain the certificate of the makers in Form IV as prescribed in regulation 27 may be accepted in lieu of a certificate from an Inspecting Authority.

The Chief Inspector shall decide whether for the purpose of this regulation a maker is " well-known " or not.

(*d*) **Certificates, etc., under section 14 (1) (c) of the Act.**—In advance of, or along with, an application for registration of a boiler, the following certificates and drawings or specifications shall be furnished to the Chief Inspector, namely :—

(*i*) A certificate in Form III of manufacture and test signed by the maker or by a responsible representative of the maker of the boiler, containing a description of the boiler, its principal dimensions, particulars of the kind of material used in its construction, the thickness of all plates, the diameter of and method of forming the rivet holes in the shell plates, particulars of any departure from ordinary practice in making the shell such as solid rolling or welding, the hydraulic test to which the boiler was subjected, the intended working pressure, the area of heating surface, the year and place of make, and the works number of the boiler.

There may be included in such certificate a further declaration that samples of the angle, stay or rivet bars and rivets used in the construction of the boiler have been certified by the makers to have been tested and found to comply with the requirements of Chapter II ; in which declaration the kind of material used and the limits of tensile breaking strength with which the tests comply shall be stated with sufficient precision to obviate the risk of confusion in making allowances. Where such further declaration is included in such certificate, the certificates referred to in clause (*iii*) of this sub-regulation shall not be required.

(*ii*) A drawing or print to a scale, in the case of large boilers of not less than $\frac{3}{4}$ inch to the foot and, in the case of small boilers, of not less than $1\frac{1}{2}$ inches to the foot, showing the principal dimensions and a longitudinal section and end view of the boiler, and bearing the works number of the boiler and the maker's

office stamp. The drawing shall show details of riveting of longitudinal and circumferential shell seems with pitch of rivets, cross spacing of rivet rows and diameters of rivet holes ; the radii of curvature of dished end plates, fillets of flanges and corners of bent plates, and where gusset stays are fitted, the number and diameter of rivet holes in each joint of gusset stay.

(*iii*) A certificate from the steel maker and a certificate from the maker of the plates, rivets or bars, of the nature referred to in regulations 26 and 27 respectively. The certificate from the maker of the plates, rivets or bars, shall show the charge numbers, the plate or bar numbers and the number and dimensions of the various plates, etc., tested, their ultimate tensile breaking strength in tons per square inch of section, the percentage of elongation and the length on which measured, the number, kind and result of bend or other tests made and the date of tests.

Provided that where an Inspecting Authority furnishes a certificate in Form II together with a memorandum of inspection book in Form I in accordance with sub-regulation (*c*), the certificates prescribed under clauses (*i*) and (*iii*) need not be furnished to the Chief Inspector when application is made for registration of the boiler. But should any question arise in respect of the fitness of the boiler for the working pressure approved by the Inspecting Authority within a period of three years from the date of their certificate, the owner shall, if requested by the Chief Inspector, obtain and furnish the original documents specified in the said clauses.

(*e*) **Maker's stamp.**—The boiler shall have stamped upon its front plate in conspicuous position the following particulars :—

		Maker's name.
Works' number		Year of make
Tested to	lbs.	on
W. P.	lbs.	Inspecting Officer's or Inspecting Authority's official stamp.

5. (*i*) **Modification of formulæ.**—Under the regulations for determining the working pressure to be allowed on various parts of boilers, the material to which the formulæ apply shall in the absence of express provision to the contrary be steel complying with the requirements of Chapter II.

(*ii*) Where no test certificates for shell plates and rivets are produced, the material shall be treated as iron. If, however, in such cases the Inspector is clearly satisfied that the material is of good quality, a higher strength than that allowed for iron may be permitted but the strength of the shell plates shall not, save for special reasons, be assumed to be more than 26 tons. In such cases S and S^1 in equations 1, 3 and 4 of Chapter III may be respectively 26 and 21 for steel and 21 and 18 for iron. For iron across the grain S may be 18.

(*iii*) Where end plates, furnaces, flat plates, girders, gusset and other stays, etc., are made of steel or iron for which no test certificates are produced, the working pressure as found from the formulæ, in which S is to be taken at the lowest limit prescribed for the part, reduced by 15 per cent. shall, except where such material is specifically provided for in any formula, be the working

pressure permitted. For flat plates of copper, the working pressure as found from the formula, reduced by 50 per cent. shall be the working pressure permitted.

6. Standard specifications for material.—The standard specifications for steel, wrought iron and copper plates and bars, and for cast steel shall be those prescribed in Chapter II, but certificates of tests of material for wrought iron (except for special wrought iron for screw stays), copper and cast steel shall not be required unless special allowances are required. Such special allowances shall be in the discretion of the Chief Inspector.

7. Welded steel plates.—No steel plates subject to a direct tensile stress shall be welded, except where the weld is covered by a butt strap or straps or except as permitted in Chapter III of these Regulations.

8. Annealing after working in fire.—All steel plates which are welded, dished, flanged or locally heated shall be afterwards efficiently annealed.

9. Rivet holes.—All rivet holes shall be drilled, " fair " and as far as possible shall be drilled in place. After drilling the plates the burrs shall be removed, the faying surfaces of the plates cleaned and the sharp outer edges of the holes removed.

Explanation.—Where sizes of rivets are mentioned in the Standard Conditions the sizes refer to the diameters of the rivet holes, not to the diameters of the rivets used before closing.

10. End plates in steam space.—When the end-plates of large boilers situated in the steam space are liable to contact with hot gases in the uptake, the end plates shall be efficiently shielded from such contact, as in the Scotch type of marine boiler.

11. Hydraulic tests of new boilers.—In all new boilers designed to work at a pressure not exceeding 100 lbs. per square inch the hydraulic test shall be twice the working pressure. For boilers designed to work at a pressure greater than 100 lbs. per square inch the hydraulic test pressure shall be $1\frac{1}{2}$ times the working pressure *plus* 50 lbs. per square inch.

CHAPTER II.

Materials of construction.

STEELPLATES, RIVETS AND BARS.

(*Based on British Standards.*)

12. Process of manufacture.—Structural steel for boilers shall be made by the Open Hearth process, acid or basic, as may be specified, and shall not show on analysis more than 0·05 per cent. of sulphur or of phosphorus.

13. Freedom from defects.—The finished material shall be free from cracks, surface flaws, and lamination. It shall also have a workmanlike finish, and shall not be hammer dressed.

14. Testing and Inspecting.—The following tests and inspections shall be made at the place of manufacture prior to despatch ; but, in the event of any of the material proving unsatisfactory in the course of being worked into boilers, such material shall be rejected, notwithstanding any previous certificate of satisfactory testing, and such further tests of the material from the same charge shall be made as the Inspector in attendance may consider desirable.

15. (*a*) **Tensile test pieces.**—The tensile strength and ductility shall be determined from standard test pieces cut lengthwise or crosswise from the rolled material. When material is annealed or otherwise treated before despatch, the test pieces shall be similarly and simultaneously treated with the material before testing.

(*b*) (*i*) **Plates.**—Wherever practicable the rolled surfaces shall be retained on two opposite sides of the test piece. The elongation shall be measured on a Standard test piece having a gauge length of 8 inches.

(*b*) (*ii*) For material more than $\frac{7}{8}$ inch in thickness the width of the test piece between the gauge points shall not exceed $1\frac{1}{2}$ inches ; for material $\frac{7}{8}$ inch to $\frac{3}{8}$ inch in thickness, inclusive, the width shall not exceed 2 inches ; for material less than $\frac{3}{8}$ inch in thickness the width shall not be more than $2\frac{1}{2}$ inches. In other respects the test pieces shall conform generally to the Standard Test Piece A of the British Engineering Standards Committee.

(*c*) (*i*) **Round bars.**—Bars may be tested full size as rolled, or they may be turned down to a convenient size, and if tested 1 inch in diameter or under, the test piece shall have a gauge length of 8 times the diameter. When enlarged ends are used, the length of the parallel portion shall be 9 times the reduced diameter (Standard Test Piece B of the British Engineering Standards Committee). The sectional area of the test piece shall be not less than $\frac{1}{4}$ square inch. Where bars are above 1 inch in diameter, and are tested full size as rolled, or have been turned down and the resulting test piece is above 1 inch in diameter, a gauge length of 4 times the diameter may be used at the option of the manufacturer, in which case an increased elongation will be required, as specified in regulation 17. When enlarged ends are used, the length of the parallel portion shall be not less than $4\frac{1}{2}$ times the reduced diameter (Standard Test Piece F of the British Engineering Standards Committee).

(*c*) (*ii*) Any straightening of test pieces which may be required shall be done cold.

16. Mechanical tests, and selection of test pieces.—Plates and bars for boilers shall comply with the following mechanical tests. All test pieces shall be selected by the Inspecting Officer and tested in his presence, and he shall satisfy himself that the conditions herein described are fulfilled.

17. Tensile tests.—(*a*) **Plates.**—The tensile breaking strength of steel plates for shells, gusset stays and girders, determined from Standard Test Pieces, shall be between the limits of 26 and 32 tons per square inch, but a range of not more than 4 tons per square inch shall be permitted in any one case. For plates intended for flanging or welding, and for combustion chambers and furnaces, the tensile breaking strength shall be between the limits of 24 tons and 30 tons per square inch. The elongation, measured on a standard test piece having a gauge length of 8 inches, shall be not less than 20 per cent. for material of $\frac{3}{8}$ inch in thickness and upwards required to have a tensile breaking strength between the limits of 26 tons and 32 tons per square inch ; and not less than 23 per cent. for material of $\frac{3}{8}$ inch in thickness and upwards required to have a tensile breaking strength between the limits of 24 tons and 30 tons per square inch.

(*b*) **Stay bars.**—(*i*) The tensile breaking strength of longitudinal stays shall be between the limits of 26 tons and 32 tons per square inch, with an elongation of not less than 20 per cent. measured on the Standard Test Piece B, but a range of not more than 4 tons per square inch shall be permitted in any one case. For steel bars for fire-box and combustion chamber stays the tensile

breaking strength shall be between the limits of 24 tons and 30 tons per square inch, with an elongation of not less than 23 per cent. measured on the Standard Test Piece B.

(*ii*) Where Stay Bars are tested on a gauge length of 4 times the diameter (Test Piece F) the elongation shall be 24 per cent. and 28 per cent. respectively.

(*iii*) The tensile breaking strength of angle and tee bars shall be between the limits of 26 and 32 tons per square inch, with an elongation of not less than 20 per cent. measured on the Standard Test Piece A.

(*iv*) For material under ⅜ inch in thickness the elongation may be 3 per cent. but not more than 3 per cent. below the above-named elongations.

(*v*) Wherever practicable the rolled surfaces shall be retained on two opposite sides of the test piece.

(*c*) **Rivet bars.**—The tensile breaking strength of rivet bars shall be between the limits of 24 tons and 28 tons or 26 tons and 30 tons per square inch of section, with an elongation of not less than 25 per cent. measured on the Standard Test Piece B or 30 per cent. measured on the Standard Test Piece F. The bars may be tested the full size as rolled.

18. Number of tensile tests.—(*a*) **Plates.**—One tensile test shall be taken from each plate as rolled. For plates exceeding 2½ tons in weight one tensile test shall be taken from each end.

(*b*) **Angle, tee, rivet and stay bars.**—One tensile test shall be made from each 15 or part of 15 bars rolled of each section or diameter from the same charge, but not less than two tensile tests shall be made unless the total number of bars rolled from the same charge is 8 or less than 8 and the bars are of the same section or diameter, in which case one tensile test shall suffice. For round bars of 1¾ inches diameter and under, the numbers 50 and 20 shall be substituted for 15 and 8 respectively for determining the number of tests required.

(*c*) **Breakage outside middle half.**—Should a tensile test piece break outside the middle half of its gauge length, the test may, at the maker's option, be discarded and another test be made of the same plate or bar.

19. Bend Tests.—(*a*) **Cold Bends.**—Test pieces shall be sheared lengthwise or crosswise from plates or bars, and shall not be less than 1½ inches wide, but for small bars the whole section may be used. For rivet bars bend tests are not required.

(*b*) **Temper Bends.**—(*i*) The test pieces shall be similar to those used for cold bend tests. For temper bend tests the samples shall be heated to a blood red colour and quenched in water at a temperature not exceeding 80 degrees Fahr. The colour shall be judged indoors in the shade.

(*ii*) In all cold bend tests, and in temper bend tests on samples 0·5 inch in thickness and above, the rough edge or arris caused by shearing may be removed by filing or grinding and samples 1 inch in thickness and above may have the edges machined, but the test pieces shall receive no other preparation. The test pieces shall not be annealed unless the material from which they are cut is similarly annealed, in which case the test piece shall be similarly and simultaneously treated with the material before testing.

(*c*) For both cold and temper bends the test piece shall withstand, without fracture, being doubled over until the internal radius is equal to 1½ times the thickness of the test piece and the sides are parallel.

(*d*) For small sectional material these bend tests may be made from the flattened bar.

(*e*) Bend tests may be made either by pressure or by blows.

20. Number of Bend Tests.—(*a*) **Plates.**—A bend test shall be taken from each plate as rolled. For plates exceeding $2\frac{1}{2}$ tons in weight one bend test shall be taken from each end. The bend tests from shell plates, butt straps and other plates which have not to be flanged or worked in the fire or which when in use are not to be exposed to flame shall be cold bend tests. The bend tests from plates which have to be flanged or worked in the fire or which when in use will be exposed to flame shall be temper bend tests.

(*b*) **Angle Bars.**—A cold or a temper bend test shall be made from each angle bar rolled.

(*c*) **Stay Bars.**—A cold and a temper bend test shall be made from every 15 stay bars as rolled from each charge.

21. Tests for manufactured rivets.—Rivets selected by the Inspecting Officer from the bulk shall withstand the following tests :—

(*a*) The rivet shanks shall be bent cold, and hammered until two parts of the shank touch, without fracture on the outside of the bend.

(*b*) The rivet heads shall be flattened, while hot, without cracking at the edges, until their diameter is $2\frac{1}{2}$ times the diameter of the shank.

22. Additional tests before rejection.—Should the test pieces first selected by the Inspector or Inspecting Officer not fulfil the test requirements, two further tests of the same kind may be made, but should either of these fail, the plates or bars from which test pieces were cut shall be rejected. In all such cases further tests shall be made before any material from the same charge can be accepted.

23. Branding.—Every plate and bar shall be clearly and distinctly marked by the maker in two places with an approved quality brand indicating that the material has complied with the required tests ; and also with the number or identification marks by which they can be traced to the charge from which the material was made.

24. Defacing of rejected material.—In the event of the material failing in any case to withstand the prescribed tests, the Inspector or Inspecting Officer shall see that the quality brand stamped on the material has been defaced by punch marks extending beyond the brand in the form of a cross, denoting that the material has been rejected.

25. Facilities for inspection.—The maker shall adopt a system of marking the ingots, billets, slabs, plates, bars, etc., which will enable all finished material to be traced to the original charge, and the Inspector or Inspecting Officer shall be given every facility for tracing all plates and bars to their respective charges, and for witnessing the required tests. When he is satisfied with the material and with the results of the tests, he shall be furnished with two copies of the advice notes of the material for his signature.

26. Steel not produced where rolled.—Where steel is not produced in the works at which it is rolled, a certificate in Form IV shall be supplied to the Inspecting Officer deputed to witness the testing of the material, stating the Open Hearth Process by which it was made, the name of the Steel Maker who supplied it, also the numbers of the charges for reference to the books of the Steel Maker. The number of the charge shall be marked on each plate or bar for the purpose of identification.

27. Maker's certificate.—Before the mill sheets are signed, the maker shall furnish the Inspecting Officer with a certificate in Form IV guaranteeing that the material has been made by the Open Hearth Process acid or basic, and that it has been subjected to, and has withstood satisfactorily the tests above described in the presence of the Inspecting Officer. The following form of certificate will be accepted if printed on each mill sheet with the name of the firm, and initialled by the Test House Manager :—

'We hereby certify that the material described below has been made by the Open Hearth Process, $\frac{\text{acid}}{\text{basic}}$, and has been satisfactorily tested in the presence of $\frac{\text{the Inspecting Officer}}{\text{our Test House Manager}}$ in accordance with the Standard tests.'

IRON PLATES, RIVETS AND BARS.

28. Specification and Tests.—Wrought iron plates, stay and rivet bars shall comply with the British Standard Specification for Wrought Iron, Report No. 51 (revised August, 1913).

The tensile and elongation tests shall be as follows :—

29. Plates.—The tensile breaking strength shall be between 20 and 24 tons with the grain, with elongations of not less than 12 per cent. for plates up to ⅝ inch thick and 10 per cent. for plates over ⅝ inch thick. The tensile breaking strength of the plates across the grain shall be between 17 and 21 tons with an elongation of not less than 4 per cent. measured on the Standard Test Piece A.

30. Rivet Bars.—The tensile breaking strength shall be between 21 and 25 tons with an elongation of not less than 25 per cent. measured on the Standard Test Piece B (as rolled) or 30 per cent. measured on the Standard Test Piece F (as rolled).

31. Tests for manufactured rivets.—To be the same as for steel. (See regulation 21.)

32. Stay Bars.—The tensile breaking strength shall be between 21 and 25 tons with an elongation of not less than 22 per cent. measured on the Standard Test Piece B (as rolled) or 27 per cent. measured on the Standard Test Piece F (as rolled).

33. Special Iron for Screw Stays for Fireboxes and Combustion Chambers.—In order that iron screw stays may be approved of the same size as would be required for mild steel, the iron must withstand the following tests :—

(*i*) **Tensile Tests.**—The tensile breaking strength shall not be less than 21½ tons per square inch, with an elongation of not less than 25 per cent. measured on the Standard Test Piece B or 30 per cent. measured on the Standard Test Piece F.

(*ii*) **Bend Tests.**—Test pieces either of the bar as rolled, or turned down to 1 inch diameter, shall stand bending cold until the sides are parallel and the space between the two sides is not greater than the diameter of the test piece.

(*iii*) **Number of Tensile Tests.**—The bars as rolled shall be placed in batches of twenty, and one tensile test shall be taken from each batch. If this is unsatisfactory, two other bars shall be selected for tests, and should either of these fail the batch shall be rejected.

(*iv*) **Number of Bend Tests.**—One ordinary bend test shall be taken from each batch, and a similar test piece from each batch shall be lightly and evenly nicked on one side, with a sharp cutting tool and bent back at this point through an angle of 180 degrees by pressure or by a succession of light blows. The fracture must be clean, fibrous, free from slag or dirt or any coarse crystalline structure. If either of these is unsatisfactory, two other bars shall be selected for test, and should either of these fail the batch shall be rejected.

(*v*) In all cases the selection of the test pieces shall be made by the Inspecting Officers.

COPPER PLATES, STAY AND RIVET BARS.

34. Tensile Tests.—(*a*) **Plates.**—The tensile breaking strength of copper plates for fire-boxes determined from standard test pieces shall not be less than 14 tons per square inch with an elongation of not less than 35 per cent. measured on Standard Test Piece A.

(*b*) **Stay and Rivet Bars.**—The tensile breaking strength of copper stay and rivet bars for fire-boxes shall not be less than 14 tons per square inch of section with an elongation of not less than 40 per cent. measured on the Standard Test Piece B.

35. Bend Tests.—Plates.—For either cold or red hot tests the test piece shall withstand being doubled over without fracture until the sides are touching and parallel.

36. Hammer Tests for Rods.—A piece of rod or bar 1 inch in length shall withstand, without cracking at the edges being hammered endwise until the length is reduced to $\frac{3}{8}$ inch.

CAST STEEL.

37. Steel Castings.—Steel for castings may be made by any reliable process, acid or basic. All such castings shall be thoroughly annealed at a uniform temperature and be allowed to cool down prior to removal from the annealing furnace. If subsequently heated with the Inspecting Officer's approval, they shall again be similarly annealed if required by the Inspecting Officer.

38. Tensile and Bend Tests.—The tensile elongation and bend tests for cast steel shall be as specified below. If full allowance for steel castings for fire-box or combustion chamber roof girders is required, they shall be tested as follows.

39. Number of Tests.—At least one tensile and one bend test shall be made from the casting from each charge, and when more than one casting is made from one charge, at least one tensile and one bend test shall be made from the castings run from one common pouring head ; but separate tests shall be made from each casting or set of castings run from each separate pouring head.

Test pieces shall not be cut off until they have been stamped by the Inspecting Officer after the annealing has been completed.

40. Tensile Tests.—The tensile breaking strength ot steel castings shall be between the limits of 26 and 40 tons per square inch, with an elongation of not less than 15 per cent. measured on the Standard Test Piece, C, D or E. (See Forms of British Standard Tensile Test Pieces.)

41. Bend Tests.—Cold bend tests shall be made upon test pieces having a rectangular section of 1 inch wide by ¾ inch thick. The test pieces shall be machined and the edges rounded to a radius of 1/16th inch. The test pieces shall be bent over the thinner section.

Bend tests may be made by pressure or by blows.

The test pieces shall withstand, without fracture, being bent through an angle of 60 degrees if the tensile breaking strength is between 35 and 40 tons per square inch, and, in the case of other castings through an angle of 90 degrees, the internal radius of the bend being not greater than 1 inch.

42. If full allowance for steel castings is not required, only bend tests as above shall be taken.

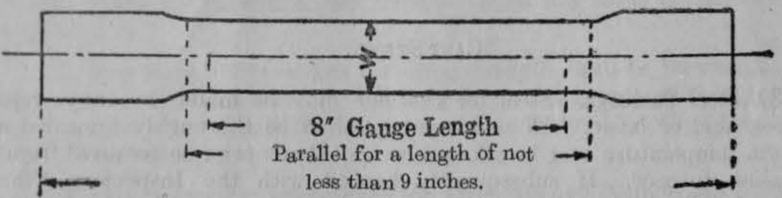
43. No tests shall be made from unimportant steel castings, or from steel castings which are used for articles usually made of cast iron, if the scantlings are not materially reduced below what would be required if cast iron were used.

FORMS OF BRITISH STANDARD TENSILE TEST PIECES.

For plates and other structural material.

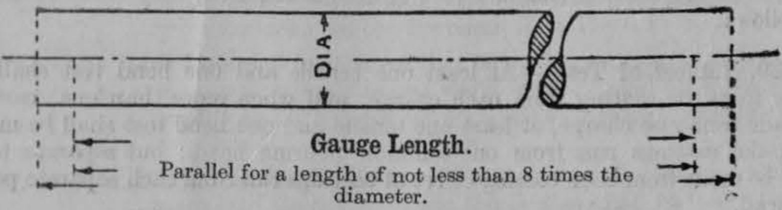
Test Piece A.

For thicknesses over ⅞″ :—Maximum width allowed = 1½ inches.
For thicknesses ⅜″ to ⅞″ :—Maximum width allowed = 2 inches.
For thicknesses under ⅜″ :—Maximum width allowed = 2½ inches.



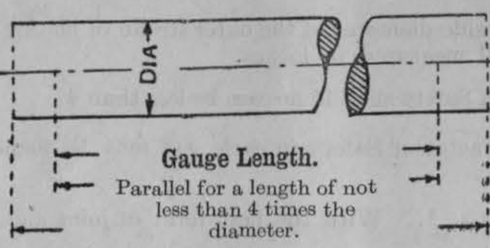
TOTAL LENGTH ABOUT 18 INCHES.

Test Piece B.



With enlarged ends : Parallel for a length of not less than
9 times the reduced diameter.

Test Piece F.



With enlarged ends :—Parallel for a length of not less than $4\frac{1}{2}$ times the reduced diameter.

CHAPTER III.

Regulations for determining the working pressure to be allowed on various parts of boilers.

44. The maximum pressure at which a boiler may be used shall be determined in accordance with the provisions of this Chapter.

CYLINDRICAL SHELLS.

45. Formula for working pressure of shell.—(*a*) For cylindrical shells, barrels, steam and water drums, and domes of boilers the maximum working pressure per square inch to be allowed shall be calculated from the following formula :—

[NOTE.—Where parts of drums of water tube boilers are perforated for tubes the working pressure shall be calculated by equation (55) under 'Tube Plates'.]

$$W.\ P. = \frac{(t-2)\times S\times J}{C\times D} \quad \ldots\ldots\ \text{Eqn. (1).}$$

W. P. is the working pressure in lbs. per square inch,

t is the thickness of shell plates in 32nds of an inch,

S is the minimum tensile breaking strength of the shell plates in tons per square inch, or whatever strength is allowed under Regulation 5,

J is the percentage of strength of the longitudinal seams of shell or of a line of holes in the shell for stays, or rivets, or of an opening in the shell not fully compensated, whichever is least calculated by the methods hereafter described,

is a co-efficient as follows :—

2·75 when the longitudinal seams are made with double butt straps and when small shells are formed from solid rolled sections ;

2·83 when the longitudinal seams are made with lap joints and are treble riveted ;

2·9 when the longitudinal seams are made with lap joints and are double riveted ;

3·0 when the longitudinal seams are welded and are fitted with a single butt strap ;

3·3 when the longitudinal seams are made with lap joints and are single riveted ;

D is the inside diameter of the outer strake of plating of the cylindrical shell measured in inches.

The Factor of Safety shall in no case be less than 4.

The actual Factor of Safety in each case may be found from the equation,—

$F=1{\cdot}4\times C\times \frac{t}{t-2}$. With the best form of joint and least co-efficient (C) the Factor of Safety for shell plates, $\frac{1}{4}$ inch to $1\frac{3}{4}$ inches in thickness, varies from 5·13 to 3·99.

An addition of 10 per cent. shall be made to the appropriate co-efficient for shells of boilers in which the longitudinal seams are lap jointed and are not accessible to close visual inspection and for shell plates of externally fired boilers exposed to the direct impact of furnace flame ; provided that this addition shall not apply to the steam and water drums of water tube boilers where the drums are not close to the fire-grate and there are tubes between the fire-grate and the drum.

(*b*) The above co-efficients are standard and shall be used only for boilers open to inspection by an Inspecting Officer during the whole period of construction and which are certified by him as having been constructed in accordance with the Standard Conditions laid down in these Regulations.

46. Boiler shells not in accordance with standard conditions.—When the standard conditions are not complied with, additions to the appropriate co-efficient, as defined in the preceding regulation, shall be made as follows :—

(*a*) When there are no proofs of tests of steel, 15 per cent. of the standard co-efficient.

(*b*) When a boiler has not been inspected during construction by an Inspecting Officer and certified by him, 10 per cent. of the standard co-efficient.

(*c*) When the workmanship is in any way doubtful and the Inspector is not satisfied that any of the foregoing additions to the co-efficient would be sufficient to meet the circumstances, such percentage of the standard co-efficient as the Chief Inspector deems fit.

47. Cylindrical Shells.—(*a*) Shell plates shall not be less than $\frac{1}{4}$ inch in thickness.

(*b*) *Cylindrical shells shall be as truly cylindrical as practicable.

(*c*) Welded end, or other circumferential seams, shall not be accepted, provided that in small wagon boilers and the like the fire-hole mouth-piece may be welded to the shell.

*NOTE.—Lap longitudinal joints interfere with the circularity of the section. Preferably the longitudinal seams should be of butt construction with double straps. Welded seams in shells are not desirable and should be accepted only under the conditions of regulation 51.

48. Position of Longitudinal Seams.—Each ring of plate forming the shell, barrel or drum shall, where practicable, be in one piece and have its longitudinal seam well out of line with those of the adjoining rings. In Lancashire, Cornish, and other types of boilers, where parts of the shell are exposed to flame, the longitudinal seams shall, where practicable, be in the steam space, arranged alternately on each side of the crown and clear of the brick work.

49. Riveting of End Seams.—(*a*) The riveting of the seams joining the end plates to the cylindrical shell shall be not less in strength than 38 per cent. of the solid plate.

(*b*) Where shell plates and end plates are connected by means of an external angle ring, as in the front ends of Lancashire and Cornish type boilers, the angle ring shall not be less in thickness than as follows :—

(*i*) For shell plates up to 5/8 inch in thickness.	Ten per cent. in excess of the thickness of shell plate.
(*ii*) For shell plates between 5/8 inch and 1 inch in thickness.	90 per cent. of the thickness of inch shell plate.
(*iii*) For shell plates exceeding one inch in thickness.	One inch.

50. Other Circumferential Seams.—The circumferential seams joining the rings of shell plates shall have a strength of joint not less than 50 per cent. of that of the longitudinal seam, and not less than that required of the end seams.

51. Welded Shell Plates.—Except as provided for in Regulation 53, where longitudinal seams are welded, the weld shall be entirely covered by a butt strap or straps securely riveted to the shell. For small steam domes where the welding is done by hammer and the plates do not exceed ½ inch in thickness the straps may be omitted. The strength of the weld shall be assumed to be 50 per cent. of that of the solid plate. The thickness of a single strap or combined thickness of double straps shall not be less than the thickness of the shell plate.

52. Butt Ends of Shell Rings.—The ends of shell plate rings where butted shall be given the same curvature as the rest of the ring. The setting shall not be done by hammering.

53. Butt Straps.—(1) Butt straps shall be cut from plates and not from rolled strip. They shall be bent in the rolls or pressed to the required curve. Thinning of the ends of butt straps which tuck under the shell rings shall be done by machine and not by heating and hammering.

(2) As an alternative to the tucking of butt strap ends under the shell rings the ends may be terminated at the edge of the shell rings or ends and electrically welded thereto.

(3) When the ends of the butt seams of shell rings are electrically welded for a distance of not less than twice the overlap at the circumferential seams, either or both internal and external butt straps may be terminated either (*a*) at the edge of the adjacent shell ring or end (in which case the butt strap end terminating at the edge of the shell ring or end shall be welded thereto in the manner described above), or (*b*) at the minimum distance from the edge of the adjacent shell ring or end necessary for both

circumferential ring or end seam and end of butt strap to be adequately caulked. This distance shall in no case exceed twice the thickness of the shell plate, and when this form of construction is employed the strength of the short welds in the butt seams of the shell rings uncovered by a butt strap or straps may be assumed to be 100 per cent.

(4) Only metal arc welding of the butt seams of shell rings shall be permitted and the joint shall be in accordance with Figure 63 of British Standard Specification No. 499.

54. Methods of calculating the strength of riveted joints.—(*i*) The percentage of strength of a riveted joint (J) shall be found from the following formulæ (*a*), (*b*), (*c*) : (*a*) and (*b*) are applicable to any ordinary type of joint ; (*c*) is applicable only to that type of joint in which the number of rivets in the inner rows is double that of the outer row. The lowest value given by the application of these formulæ is to be taken as the percentage of strength of the joint compared with the solid plate.

(*a*) $\dfrac{100\,(P-D)}{P}$ Plate percentage . . . Eqn. (2)

(*b*) $\dfrac{100 \times A \times N \times C \times S_1}{P \times T \times S} =$ Rivet percentage . . Eqn. (3)

(*c*) $\dfrac{100\,(P-2D)}{P} + \dfrac{100 \times A \times C \times S_1}{P \times T \times S} =$ Combined plate and rivet percentage . . . . Eqn. (4)

P is the pitch of rivets at outer row in inches,

D is the diameter of rivet holes in inches,

A is the sectional area of one rivet hole in square inches,

N is the number of rivets per pitch, (P),

T is the thickness of plate in inches,

C=1 for rivets in single shear as in lap joints, and 1·875 for rivets in double shear as in double butt strapped joints,

S_1 is the shearing strength of rivets which shall be taken to be 23 tons per square inch for steel and 18 tons per square inch for iron,

S is the minimum tensile breaking strength of shell plates in tons per square inch, or whatever strength is allowed under Regulation 5 of Chapter I.

In the first formula (*a*) D is the diameter of the rivet holes in the outer rows and in the third formula D is the diameter of the rivet holes in the next rows. In the last formula A is the area of one rivet hole in the outer row.

(*ii*) When the sectional area of the rivet holes is not the same in all rows, and when some of the rivets are in double shear and others in single shear, the rivet sections per pitch of each size or shear shall be computed separately and added together to form the total rivet section.

55. When Pitch exceeds maximum allowed.—Should the pitch of the rivet exceed the maximum pitch allowed, the permissible pitch shall be used in place of the actual pitch in determining the percentage of plate section, and in such circumstances no greater percentage than 85 shall be allowed for any type of joint.

56. Butt Straps and spacing of rivets below requirements.—Should the spacing of the rows of rivets or the distance between edge of plate and rivet hole, or the thickness of butt straps be less than is specified in regulations 59, 60 and 61, the percentage representing the strength of joint shall be modified as prescribed in those regulations.

57. Percentage of Welded and Strapped Seams.—In determining the percentage of strength of a welded seam covered by a strap or straps the formulæ and allowances in regulations 54, 55 and 56 shall be applied, but 50 per cent. shall be added to the rivet percentage for the weld.

58. Percentage to be allowed for Solid Rolled Shells.—When small shells are rolled from the solid, J in equation (1) shall be taken as 95 per cent.

59. Thickness of Butt Straps.—This minimum thickness of butt straps for the longitudinal seams of cylindrical shells shall be determined by the following formulæ, but all straps should be of sufficient thickness to permit of efficient caulking, and in any case shall not be less than $\frac{1}{4}$ inch in thickness.

Single butt straps having ordinary riveting :—

$$1\cdot125T = T_1 \quad \text{. . . . . Eqn. (5)}$$

Single butt straps having every alternate rivet in the outer rows omitted :—

$$1\cdot125T \times \frac{(P-D)}{(P-2D)} = T_1 \quad \text{. . . . . . . Eqn. (6)}$$

Double butt straps of equal width having ordinary riveting :—

$$\cdot625T = T_1 \quad \text{. . . . . Eqn. (7)}$$

Double butt straps of equal width having every alternate rivet in the outer rows omitted :—

$$\cdot625\,T \times \frac{(P-D)}{(P-2D)} = T_1 \quad \text{. . . . . . . Eqn. (8)}$$

Double butt straps of unequal width having ordinary riveting :—

$$\cdot75\,T = T_1 \text{ (wide strap)} \quad \text{. . . . . . . Eqn. (9)}$$

$$\cdot625\,T = T_1 \text{ (narrow strap)} \quad \text{. . . . . . . Eqn. (10)}$$

Double butt straps of unequal width having every alternate rivet in the outer rows omitted :—

$$\cdot75\,T \times \frac{(P-D)}{(P-2D)} = T_1 \text{ (wide strap)} \quad \text{. . . . . Eqn. (11)}$$

$$\cdot625\,T \times \frac{(P-D)}{(P-2D)} = T_1 \text{ (narrow strap)} \quad \text{. . . . . Eqn. (12)}$$

T_1 is the thickness of the butt straps in inches. The other symbols have the same significance as in regulation 54.

Single and wide butt straps shall, wherever practicable, be on the inside of the shell.

Should the thickness of butt straps be less than that above described, the least percentage of joint as determined under regulation 54 shall be reduced in the proportion of the actual thickness to the prescribed thickness.

60. Maximum Pitch of Rivets in longitudinal joints.—The maximum pitch of the rivets in the longitudinal joints of boiler shells shall be—

$C \times T + 1 \cdot 625$ = maximum pitch in inches . . . . Eqn. (13)

T is the thickness of the shell plate in inches.

C is a co-efficient as given in the following table :—

Number of Rivets per pitch.	Co-efficients for Lap Joints.	Co-efficients for single Butt-strapped Joints.	Co-efficients for double Butt-strapped Joints.
1	1·31	1·53	1·75
2	2·62	3·06	3·50
3	3·47	4·05	4·63
4	4·14	..	5·52
5	..	..	6·00

61. Spacing of rows of rivets.—(*a*) In joints, whether lapped or fitted with butt straps, in which there are more than one row of rivets and in which there is an equal number of rivets in each row, the distance between the rows of rivets shall be not less than—

Zig-zag riveting,

$\cdot 33\,P + \cdot 67\,D$ = distance between centre lines of rows (R) . . . . Eqn. (14)

Chain riveting,

$2\,D$ = distance between centre lines of rows (R_1) . . Eqn. (15)

(*b*) In joints in which the number of rivets in the outer rows is one half of the number in each of the inner rows, and in which the inner rows are chain riveted, the distance between the outer rows and the next rows shall be not less than as required by equations (14) and (15) whichever is the greater, and the distance between the rows in which there are the full number of rivets shall be not less than $2\,D$ (R_1).

(*c*) In joints in which the number of rivets in the outer rows is one half of the number in each of the inner rows, and in which the inner rows are zig-zag, the distance between the outer rows and the next rows shall be not less than—

$\cdot 2\,P + 1 \cdot 15\,D$ = distance between centre lines of outer and next rows (R) . . . . Eqn. (16)

The distance between the rows in which there are the full number of rivets shall be not less than—

$\cdot 165\,P + \cdot 67\,D$ = distance between centre lines of inner rows (R_1) . . . . Eqn. (17)

P is the pitch of the rivets in the outer rows,

D is the diameter of the rivet holes in inches or the mean of the diameters of rivet holes when the distance to be determined is between two rows of rivets of different diameters.

(*d*) Should the distance between rows of rivets be less than as prescribed above, the plate percentage determined by equation (2) shall be modified thus—

$$\frac{100\left[P-\left(2-\frac{\text{actual distance}}{\text{prescribed distance}}\right)D\right]}{P} = \text{distance of rows percentage} \qquad \text{Eqn. (18)}$$

(*e*) In all cases the clear space between a rivet hole and the edge of a plate shall not be less than the diameter of the rivet holes, *i.e.*, the centre of the rivet hole shall be at least $1\frac{1}{2}$ diameters distant from the edge of the plate (E)—

Provided that, if this condition be not observed, the strength value of the rivets affected shall be reduced in the proportion of the actual distance between the outer edge of the rivets and the edge of the plate to the prescribed distance.

HEMISPHERICAL AND DISHED END PLATES.

62. Complete hemisphere without stays or other support made of one or more plates and subject to internal pressure.—The maximum working pressure shall be determined by the following formula :—

$$W.P. = \frac{(t-2) \times S \times J}{C \times R} \qquad \text{Eqn. (19)}$$

W. P. is the working pressure in lbs. per square inch,

t is the thickness of the end plates in 32nds of an inch,

S is the minimum tensile breaking strength of the end plates in tons per square inch, or whatever strength is allowed for them,

J is the least percentage of strength of the riveted joints of the plates forming the hemisphere or securing it to the cylindrical shell,

R is the inner radius of curvature in inches,

C for single riveting is 3·3,

C for double riveting is 2·9,

C for treble riveting is 2·83.

63. Dished ends subject to internal pressure.—(*a*) For unstayed ends of steam and water drums, tops of vertical boilers, etc., when dished to partial spherical form, the maximum working pressure shall be determined by the following formula :—

$$W.P. = \frac{15 \times S \times (t-1)}{R} \qquad \text{Eqn. (20)}$$

W. P. is the working pressure in lbs. per square inch,

t is the thickness of end plates in 32nds of an inch,

R is the inner radius of curvature of the end in inches, which shall not exceed the diameter of the shell to which it is attached,

S is the minimum tensile breaking strength of plate in tons per square inch, or whatever is allowed for it.

(b) The inside radius of curvature at the flange shall be not less than 4 times the thickness of the end plate, and in no case less than $2\frac{1}{2}$ inches.

When the end has a manhole in it, $\frac{4}{32}$ nds shall be added to the thickness of the plate in the formula.

(c) The total depth of flange of manhole from the outer surface in inches shall be at least equal to—

$\sqrt{T \times W}$ = depth of flange in inches . . . Eqn. (21)

where T is the thickness of the plate in inches and W is the minor axis of the hole in inches.

64. Dished ends subject to external pressure.—In the case of unstayed dished ends, for the co-efficient 15 in equation (20) the co-efficient 12 shall be substituted, and R shall be the outer radius of curvature of plate. For plates exposed to furnace flame the co-efficient shall be 10·5.

65. Dished ends of Lancashire and Cornish type Boilers.—(a) For dished ends of Lancashire and Cornish boilers with external or internal flanges for furnaces formed in one piece, without stays and subject to internal pressure the maximum working pressure shall be determined by the following formula :—

$$W.P. = \frac{22 \times S \times (t-1)}{R} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (22).}$$

W. P. is the working pressure in lbs. per square inch,

t is the thickness of the end plate in 32nds of an inch,

R is the inner radius of curvature of the end in inches which shall not exceed one and a half times the internal diameter of the shell to which it is attached.

S is the minimum tensile breaking strength of the plate in tons per square inch, or whatever is allowed for it.

(b) The inside radius of curvature at the flange shall be not less than 4 times the thickness of the plate and in no case less than $3\frac{1}{2}$ inches. When the end plate has a manhole in it the total depth of the flange of manhole from the outer surface in inches shall be at least equal to—

$\sqrt{T \times W}$ = depth of flange in inches . . . Eqn. (23)

where T is the thickness of the plate in inches and W is the minor axis of the hole in inches.

66. Dished shell and firebox crowns.—(a) In determining pressure in accordance with these regulations, no account shall be taken of the influence of the uptake tube in vertical boilers. If dished crown plates having uptakes are fit for higher pressures, when considered as flat plates, such higher pressure shall be allowed.

(b) The radius R of the dished part may be found as follows :—

$$R = \frac{C^2 + H^2}{2H} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (24)}$$

C and H are the lengths in inches of half the base line or chord on which H is measured and the height of the dish or camber at the middle of the chord respectively.

FLAT PLATES.

67. Flat plates supported by solid screwed stays, marginal seams or flanges.—(*a*) For plain flat plates supported by solid screwed stays or riveted marginal seams or flanges, the maximum working pressure shall be as follows :—

$$W.P. = \frac{C(t-1)^2}{A^2 + B^2} \qquad \text{Eqn. (25)}$$

In this formula and in those following in the succeeding regulations relating to "Flat Plates" unless otherwise specified.

W. P. is the working pressure in lbs. per square inch,

t is the thickness of the flat plate in 32nds of an inch,

t_1 is the thickness of the washers, strips, or doublings employed, in 32nds of an inch,

A is the distance apart of the rows of stays in inches,

B is the pitch of the stays in the rows in inches,

C is a co-efficient which varies in value with the method of fixing the stays and nature of the support.

Where the plates are exposed to the direct impact of flame the following values of C are to be reduced 12½ per cent.—

C = 60 for stays screwed into the plate with their ends riveted over,

C = 90 for stays screwed into the plate and fitted with nuts on the outside,

C = 100 for stays passed through the plate and fitted with nuts inside and outside,

C = 110 for a riveted seam or flange, in the flat plate securing it to the shell side plate, end plate, furnace or uptake.

The support of a riveted seam shall be assumed to be at the line through the centres of rivets in the nearest row and of a flange at the commencement of curvature. In the latter case, if the inner radius of curvature of the flange exceeds 2½ times the thickness of the plate, the support shall be assumed to be at a distance of 2½ times the thickness of the plate from the inner side of the flange.

(*b*) Where portions of plate are supported by stays or riveted seams or flanges having various values of support, the value of C shall be taken as the mean of the points of support concerned.

(*c*) For portions of plate where the stays are irregularly pitched D^2 shall be used instead of A^2+B^2, D being the diameter of the largest circle which can be drawn passing through not less than three points of support, *viz.*, the centres of stays, or rivets or the commencement of the curvature of flanging, whichever is applicable.

(*d*) For the tops and sides of combustion chambers and fireboxes the distance between the rows of stays nearest to the back tube plate, or the back or firehole plate respectively, and the commencement of curvature of these plates at their flanges, shall not be greater than A.

(*e*) For the tops of combustion chambers and fireboxes where they are joined to the sides by curved portions, if the outer radius of the curved portion is less than half the allowable distance between the girders, the distance between the first girder and the inner surface of the side plates shall not exceed

the allowable distance between the girders. If the radius of curvature is greater than half the allowable distance between the girders, the width of the flat portion measured from the centre of the girder shall not be more than half the allowable distance between the girders.

(*f*) Where stay tubes are not fitted in nests of tubes, as in tube plates of loco-type, boilers, and parts of plate outside the space occupied by tubes are supported, in accordance with regulation 99 (*b*), by screwed stays each stay in the row nearest the tubes shall be sufficient strength to support the plate up to the edges of the tube holes in addition to its share of the plate on the opposite side of the line of stays.

The working pressure for the plate between tubes and stays shall be determined by Eqn. (25), A being the horizontal pitch of the stays in the nearest row, B twice the distance between the centre line of stays and a line touching the tubes opposite them and C the co-efficient appropriate to the kind of stay.

68. Flat plates supported by stays and nuts and large washers or strips or doublings.—(*a*) Where the plates are supported by stays passing through them and are fitted with nuts inside and washers and nuts outside, the diameter of the washers being at least 3½ times that of the stay, and their thickness at least two-thirds that of the plate, but not greater than that of the plate, the maximum working pressure shall be :—

$$W.P. = \frac{100}{A^2 + B^2}\left[(t-1)^2 + \cdot 15\, t_1{}^2\right] \qquad \text{Eqn. (26)}$$

(*b*) Where the washers have a diameter of at least two-thirds of the pitch of the stays and a thickness of at least two-thirds of the thickness of the plate but not greater than that of the plate, and are riveted to the plate in an efficient manner, the maximum working pressure shall be :

$$W.P. = \frac{100}{A^2 + B^2}\left[(t-1)^2 + \cdot 35\, t_1{}^2\right] \qquad \text{Eqn. (27)}$$

(*c*) Where the plate is stiffened by strips at least two-thirds of the pitch of the stays in breadth which have a thickness of at least two-thirds of that of the plate, but not greater than that of the plate, and are riveted to the plate in an efficient manner, the maximum working pressure shall be :—

$$W.P. = \frac{100}{A^2 + B^2}\left[(t-1)^2 + \cdot 55\, t_1{}^2\right] \qquad \text{Eqn. (28)}$$

(*d*) Where the plates are fitted with doubling plates having a thickness of at least two-thirds of that of the plate but not greater than that of the plate, and are riveted to them in an efficient manner, the maximum working pressure shall be :

$$W.P. = \frac{100}{A^2 + B^2}\left[(t-1)^2 + \cdot 85\, t_1{}^2\right] \qquad \text{Eqn. (29)}$$

69. Flat Tube Plates.—(*a*) For the portions of tube plates in the nests of tubes where stay tubes are required (see regulation 97) and where the minimum thickness and cross section of tube plate are not less than as prescribed in Regulation 98, the maximum working pressure shall be :—

$$W.P. = \frac{C(t-1)^2}{P^2} \qquad \text{Eqn. (30)}$$

P is the mean pitch of the stay tubes supporting any portion of the plate (being the sum of the four sides of the quadrilateral divided by four),

C = 70 for stay tubes screwed and expanded into the plate and no nuts are fitted,

C = 85 for stay tubes screwed and expanded into the plate and fitted with nuts.

(*b*) No nuts shall be fitted to stay tubes at the combustion chamber or firebox end.

(*c*) Where the plates are exposed to the direct impact of flame, the co-efficient C shall be reduced by $12\frac{1}{2}$ per cent., and where the thickness or cross section of tube plate between tubes is less than as prescribed in regulation 98 the appropriate co-efficient shall be reduced in proportion to the deficit.

(*d*) For the wide water spaces of tube plates between the nests of tubes and between the wing rows of tubes and the shell, the maximum working pressure shall be :—

$$\text{W. P.} = \frac{C}{A^2 + B^2}\ [(t - 1)^2 + \cdot 55\, t_1{}^2] \quad . \quad . \quad . \quad \text{Eqn. (31)}$$

A is the horizontal pitch of stay tubes in inches measured across the wide water space from centre to centre,

B is the vertical pitch of stay tubes in the bounding rows in inches measured from centre to centre,

C = 60 for stay tubes screwed and expanded into the tube plates and no nuts are fitted,

C = 80 for stay tubes screwed and expanded into the tube plates and fitted with nuts,

C = 70 for stay tubes screwed and expanded into the tube plates and nuts are fitted only to alternate stay tubes,

t is the thickness of the flat plate in 32nds of an inch,

t_1 is the thickness of the washers, strips or doublings employed in 32nds of an inch.

(*e*) Where the plates are exposed to the direct impact of flame, the co-efficient C shall be reduced $12\frac{1}{2}$ per cent.

70. Plates supported by gusset stays.—(*a*) For the end plates of Lancashire, Cornish, Vertical and Locotype boilers, and other flat surfaces supported by irregularly pitched gusset stays, the maximum working pressure shall be :—

$$\text{W. P.} = \frac{C\,(t - 1)^2}{D^2} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (32)}$$

D is the diameter of the largest circle which can be drawn passing through not less than three points of support, *viz.*, the centre lines of rivets or the commencement of the curvature of flanging, whichever is applicable.

C = 100 for plates not exposed to flame.

C = 88 for plates exposed to flame.

(*b*) Where such plates are stiffened by suitable tee or angle bars securely riveted to the plates within the circle D, the appropriate co-efficient may be increased thirty per cent. Such stiffening bars shall be placed so as to transmit their load in a direct manner to the gusset stays or shell plate.

(c) For the part of the end plate containing the manhole in Lancashire boilers, the maximum working pressure shall be :—

$$W. P. = \frac{C}{D^2} [(t-1)^2+(t_1-1)^2] \quad . \quad . \quad . \quad . \quad \text{Eqn. (33)}$$

D is the diameter of the largest circle which can be drawn enclosing the manhole and passing through the centres of the rivets in end plates connecting the shell and gusset angles and furnaces, or to the commencement of curvature of flanging, whichever is applicable, where the circle passes through only three of the possible five points of support mentioned the remaining two shall be embraced within the circle,

t is the thickness of the end plates in 32nds of an inch,

t_1 is the thickness of the base of the mouthpiece or flat ring in 32nds of an inch,

C = 90 where the manhole mouthpiece is either of mild or cast steel, and has a turned-in flange of a depth, measured from inside of end plate, of not less than 4 times the thickness of the end plate, and a thickness not less than the thickness of the end plate,

C = 70 where only a flat steel compensating ring is fitted,

C is to be taken as the mean of the points of support through which circle passes in accordance with regulation 67 where there is no mouthpiece or flat ring and the end plate is flanged around the manhole to the depth required in regulation 71.

71. Flanged manholes and mudholes in flat plates.—Where a flat plate is flanged to stiffen it at a manhole or sight hole, to permit the same working pressure as would be allowed upon an unpierced plate, the depth of the flange measured from the outer surface shall be at least equal to

$$\sqrt{T \times W} = \text{depth of flange in inches} \quad . \quad . \quad . \quad \text{Eqn. (34)}$$

where T is the thickness of the plate in inches, and W is the minor axis of the hole in inches.

72. Flat Crown plates of vertical boilers.—For the flat crown plates of vertical boilers either with or without bolt stays, equation (32) shall be used in determining the working pressure with C = 80, when the plates are not exposed to flame, and 70, when they are exposed to flame. In this case D is the diameter of the largest circle that can be drawn passing through the centres of the rivets or bolt stays when fitted, or the commencement of the curvature of the flanging, whichever is applicable. Where bolt stays are fitted with washers of the same thickness as the plate securely riveted thereto, the circle shall pass through the centres of the washer rivets, but where the washers are not riveted or where none are fitted the circle shall pass through the centres of the stays. Where the crown plate is flanged the inside radius of curvature at the flange shall not be less than 4 times the thickness of the end plate.

73. Circular flat ends of drums, etc., supported only at edges.—For these ends C in equation (32) shall be taken as 140 when the plates are not exposed to flame, and 122·5 when they are exposed to flame. In this case the circle D of largest diameter shall pass through the centres of rivets or bolts securing the end to the shell or, where the end is flanged, through the commencement of curvature.

Where flanged the inside radius of curvature at the flange shall not be less than 4 times the thickness of the end plate.

74. Bar or bulb stiffened end plates and smokebox tube plates of loco-type boilers.—Where such plates instead of being supported by stays are stiffened in the steam space by substantial tee or angle bars securely riveted to the plate and extending across the plate to within the margin allowed by equation (35), or where such plates are formed with a deep bulb extending across the plate to well within the margin allowed, for the support thus given,

C shall be taken as equal to 80 and 70 for plates not exposed, and exposed, to flame respectively. The margin or pitch for such stiffening shall be measured from the centre line of rivets or commencement of curvature of bulb provided it is not more than 2 inches from the centre line of bulb.

For the flat plate above the stiffener or bulb, C shall be taken as the mean of the values appropriate for the points of support.

75. Flat plate margins.—The amount of support in relief of stays which may be credited to the sides of shells, furnaces, uptakes, firehole and foundation rings, etc., to which flat plates are attached shall not exceed that found by the following formula:—

$$\tfrac{1}{2} \times \sqrt{\frac{C\,(t-1)^2}{W.\,P.}} = \text{width of margin in inches} \quad . \quad . \quad \text{Eqn. (35)}$$

W. P. is the intended working pressure in lbs. per square inch,

$C = 110$ for plates not exposed to the direct impact of flame,

$C = 96$ for plates exposed to the direct impact of flame.

Where the plates are flanged the margin shall be measured from the commencement of curvature or from a line $2\tfrac{1}{2}$ times the thickness of the plate distant from the side of the flange next the inner radius of corner, whichever is less. In other cases the margin shall be measured from the centre line of rivets in the nearest row of the seam by which the flat plate is attached.

STAYS.

76. *Solid screwed stays.—For screw stays to combustion chambers and fireboxes and for longitudinal and cross stays, the maximum working pressure for the stays is to be calculated from the appropriate one of the following two formulæ :—

$$W.\,P. = \frac{C}{A}\left(D - \frac{1\cdot 28}{N}\right)^2 \quad . \quad . \quad . \quad \text{Eqn. (36)}$$

$$W.\,P. = \frac{C \times D_1^{\,2}}{A} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (37)}$$

W. P. is the working pressure in lbs. per square inch,

D is the diameter of stay over threads in inches,

D_1 is the diameter of body of stay at its smallest part in inches,

N is the number of threads of stay per inch.

A is the area in square inches supported by one stay [For area to be supported by stays near tubes in firebox tube plates of locotype boilers, see regulation 67 (f)],

$C = 7100$ for steel or special wrought iron screws stays to combustion chambers or fireboxes.

*NOTE.—It is desirable that the threads of screw stays, etc., should be of Whitworth form in accordance with the British Standard Specification for fine screw threads.

$C = 7500$ for steel longitudinal or cross stays fitted with nuts,
$C = 4700$ for copper screw stays to fireboxes.

Where stays are made with enlarged ends and the body of the stay is smaller in diameter than at the bottom of the thread the working pressure shall be calculated from the second formula.

77. *Screw stays in water spaces.—Where the stays are not fitted with nuts, the ends shall be riveted over to form substantial heads.

78. Longitudinal stays.—Longitudinal and similar solid screwed stays shall be efficiently secured with nuts at each end and not merely riveted over. Where they are over 12 feet in length, they shall be supported at or near the middle of their length.

79. Jointed stays.—Where jointed longitudinal stays are fitted, they shall where practicable, be fitted with pins having an effective sectional area 25 per cent. in excess of that of the stay. If the pins are slack in the holes, the total slackness shall not be more than 1/16 inch. The pins shall be as close as possible to the shoulder of the eye forging. The shoulder of the forging shall be at least ½ inch wide all round, *i.e.*, the diameter at the shoulder shall be not less than the diameter of the hole plus 1 inch.

80. Diagonal bar or rod stays.—The sectional area of diagonal rod or bar stay shall bear the same proportion to that of a direct stay as the length of the diagonal stay bears to the length of the perpendicular line from the end of the diagonal stay to the surface supported. The ends of diagonal stays shall not be bent, but shall be attached to the plate with bevelled washers and nuts or with riveted tee blocks or angles and shackle pins (see regulation 79 for eyes and pins).

81. Stresses in steel jointed stays.—(*a*) The section of least strength whether of stay, rivets, shackle or pin shall be used in calculating the working pressure for the stay. For parts in tension a stress of 9,000 lbs. per square inch of net section shall be allowed, and for parts in shear a stress of 8,000 lbs. per square inch of net section.

(*b*) Parts in double shear shall be allowed a section of 1¾ times the single section.

82. Forged stays.—(*a*) No steel stays shall be welded. If plus threads are desired, the ends of the stay bars may be upset or the bars may be drawn down in the middle portions from bars originally of the size of the ends.

(*b*) Iron stays may be welded but the stress allowed on a welded stay shall not exceed 5,000 lbs. per square inch of net section.

(*c*) Stays which have been fireworked shall be annealed.

83. Stay nuts.—(*a*) Nuts to screw stays in combustion chambers and fireboxes shall not be less than ¾ inch thick for stays up to 1½ inches diameter over threads, 7/8 inch thick for 1-5/8 and 1¾ inches stays, 1 inch thick for 1-7/8 and 2 inches stays, and 1-1/8 inch thick for stays over 2 inches in diameter.

(*b*) The nuts for longitudinal stays shall be not less than the thickness laid down in the British Engineering Standards Association Specification appropriate to the diameters of the stays, the outside nut having the thickness therein prescribed for ordinary nuts, and the inside nut having the thickness provided for lock nuts.

*NOTE.—It is desirable that the threads of short screw stays fitted between combustion chambers and fireboxes and outer parts of shell and end plates should be turned off between the parts fitting into the plates, and that the outer ends of the stays should have a hole about 3/16 in diameter drilled axially beyond the inner face of the outside plate to a distance equal to the thickness of the plate.

(c) The nuts shall be made of solid mild steel or of iron which shall be without weld if exposed to flame.

84. Stay tubes.—For stay tubes, whether of wrought iron or of solid drawn or lap-welded steel, the maximum working pressure shall be calculated from the following formula :—

$$W.P. = \frac{5900}{A} \left[\left(D - \frac{1 \cdot 28}{N}\right)^2 - D_1{}^2 \right] \quad . \quad . \quad . \quad \text{Eqn. (38)}$$

D is the diameter of the tube over threads in inches,

D_1 is the internal diameter of the tube under the threads in inches,

N is the number of threads of stay per inch,

A is the area in square inches supported by one stay tube, measured from centre to centre of stay tubes. When the area contains tubes or parts of tubes their aggregate area, calculated from their smallest external diameter of body when in tension and smallest internal diameter when in compression, shall be deducted from the area of the containing figure and the remainder used as A in the formula.

85. Screw Threads of stay tubes.—Stay tubes shall be screwed at both ends with continuous threads, and the holes in the tube plates shall be tapped with continuous threads. The pitch of the threads shall not be finer than 11 threads per inch. The stay tubes shall be expended by roller expanders and not made tight by caulking only.

86. Minimum thickness of stay tubes.—The minimum thickness of stay tubes in the body or at the ends under threads shall not be less than 5-32nds of an inch.

87. Thickened ends of stay tubes.—If stay tubes are required to have their thickness increased at the screwed ends so that the thickness at the bottom of the threads is approximately the same as in the body of the tube the thickening shall be attained by upsetting and not any welding process, and the tubes shall be annealed after the upsetting.

88. Stays in tension and compression.—(a) The same stress shall be allowed in compression as in tension. The strength of short stays in compression and not liable to bending may be calculated on the net section of the stay at bottom of thread or in body, whichever is less.

(b) The stress to be allowed on any stay or part of a stay not provided for in the foregoing shall be the same as that allowed for stays or parts of stays of approximately like kind in similar conditions.

89. Measurements of stayed areas in the end plates of locotype and vertical boilers.—When the areas supported by stays are semi-circular as in the upper parts of the end plates and smokebox tube plates of locotype boilers, or annular as in the crown plates of vertical type boilers, A, the area to be supported by stays, shall, in the first case, be the area of the plate contained within the margins credited to casing or barrel sides, screw stays, fire door ring or tube stays as the case may be, and in the second case be the area of the annulus between the margins credited to uptake and shell. When bolt staying is necessary, the stays shall be properly distributed ; the aggregate stay section shall then be used in the formula for calculating the working pressure.

90. Gusset stays.—Gusset stays shall be attached to end and shell plates by double angles, not less in thickness than the gusset plates with properly spaced and formed rivets. The maximum working pressure for the stay when of ordinary form shall be calculated by the following formula :—

$$W.P. = \frac{8500 \times C}{A} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (39)}$$

C, the co-efficient, is the number representing the least of the following:—

(1) $N_1 \times A_1$.

(2) $N_2 \times A_2 \times 1{\cdot}75$.

(3) $N_3 \times A_3 \times 1{\cdot}75$.

(4) $N_4 \times A_4$

(5) $(G - N_2D_2) \times (t - 2) \times {\cdot}037$.

(6) $(G_1 - D_3) \times (t - 2) \times {\cdot}037$.

N_1, N_2, N_3, N_4, D_1, D_2, D_3, D_4, and A_1, A_2, A_3, A_4, are respectively the numbers, diameters and sectional areas of the rivets in the joints of each gusset stay, the order of the joints being (1), angles to end plate, (2), end plate angles to gusset, (3), shell angles to gusset, and (4), angles to shell,

G is the depth in inches of gusset plate measured through the line of rivets attaching it to the end plate angles,

G_1 is the depth in inches of gusset plate measured normal to the slant edge of plate through the rivet nearest to the end plate in the joint attaching gusset plate to shell angles,

t is the thickness of the gusset plate in 32nds of an inch,

A is the area in inches of flat plate supported by the gusset stay which, in the case of Lancashire and Cornish boilers, shall be determined as follows :—

(*i*) The margins allowed under flat plate regulations for shell and furnace shall be marked on end plates and the lengths of the centre lines of gussets between them measured, also the distance between each pair of gusset lines from the middle of the smaller in a direction normal to the greater. If L and L_1 be the lengths of two adjacent gusset lines and if the distance between them be W, the area contained by the gusset lines and the shell and furnace margin lines may be apportioned between the stays thus :—

$$\frac{W(3\,L + L_1)}{8} = \text{Portion of area in square inches}$$

apportioned to L line gusset. . . . Eqn. (40)

$$\frac{W(3\,L_1 + L)}{8} = \text{Portion of area in square inches}$$

apportioned to L_1 line gusset . . .. Eqn. (41)

(*ii*) The portion of the area on the other side of each gusset line shall, except when of triangular form, be found in like manner and its amount added to that already found to form the total.

(*iii*) For the triangular portions in the wind spaces the area shall be taken as half the product of the length of gusset line into the perpendicular distance between it and the intersecting point where the marginal curves meet.

91. *Bolts and studs.—(*a*) Bolts and studs connecting parts of boilers such as shell, end plates, tube plates, furnaces, uptakes, externally fitted manhole covers, etc., may be made either of steel or good quality wrought iron. For bolts and studs of flanges connecting mountings to boilers see regulation 137.

(*b*) The maximum working pressure for the bolts or studs shall be calculated by the following formula :—

$$W.\ P. = \frac{N \times C}{A}\left(D - \frac{1 \cdot 28}{n}\right)^2 \quad . \quad . \quad . \quad . \quad \text{Eqn. (42)}$$

D is the diameter of bolt or stud over threads in inches,

N is the number of bolts or studs securing the part,

n is the number of threads of screw per inch,

C = 4700 for steel bolts or studs where the diameter over threads is less than ¾ inch,

C = 5600 for steel bolts or studs where the diameter over threads is not less than ¾ and not greater than 7/8 inch,

C = 7000 for steel bolts or studs where the diameter over threads is greater than 7/8 inch.

When the material is iron, a reduction of 15 per cent. shall be made in the working pressure as calculated by the formula.

A the area in square inches of the surface supported by the bolts or studs. For jointed flanges the area shall be taken to extend to midway between the pitch line of the bolts and the inner edge of the flange by which the part is secured.

FIREBOX AND COMBUSTION CHAMBER TOP SUPPORTS.

92. Girders supporting the tops of fireboxes and combustion chambers.—(*a*) For girders supporting the tops of fireboxes and combustion chambers the maximum working pressure shall be calculated from the appropriate one of the following two formulæ :—

(*i*) Solid or split girders of rectangular section supported at ends only :—

$$W.\ P. = \frac{C \times t \times D^2 \times S}{(L-P) \times D_1 \times L} \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (43)}$$

(*ii*) Girders of I or other section supported at ends only :—

$$W.\ P. = \frac{C_1 \times S}{(L-P) \times D_1 \times L} \times \frac{I}{Y} \quad . \quad . \quad . \quad \text{Eqn. (44)}$$

t is the thickness of the girder at centre when a forging or casting, or the sum of the thicknesses of the plates where the girder is made of two plates, measured in 32nds of an inch,

D is the least depth of the girder at or near the middle in inches,

L is the distance in inches between the end or side plates which support the girders measured in the direction of the girders,

P is the pitch of the stays supported by the girder in inches,

*NOTE.—It is desirable that the threads should be in accordance with British Standard Whitworth screw threads as specified in Report No. 84 of June 1918.

It is also desirable that bolts or studs securing parts which are frequently removed should not be less than ¾" in diameter.

D_1 is the distance apart of the girders, centre to centre in inches,

S is the minimum tensile breaking strength of the plates forming the girder in tons per square inch, or whatever is allowed for them,

I is the moment of inertia of section round neutral axis expressed in inches,

Y is the distance in inches of the farther edge of section from neutral axis,

$C = \frac{N}{N+1} \times 21$, where the number of stays in each girder is odd,

and $\frac{N+1}{N+2} \times 21$ where the number of stays in each girder is even,

N being the number of stays to each girder,

$C_1 = \frac{N}{N+1} \times 4030$ where the number of stays in each girder is odd,

and $\frac{N+1}{N+2} \times 4030$ where the number of stays in each girder is even,

N being the number of stays to each girder.

(*b*) Where girders rest on end or side plates of fireboxes, etc., they shall be fitted and bedded directly to the edges and corners of the supporting plates.

(*c*) Where girders are supported in any other way than by the end or side plates of the firebox or combustion chamber the calculations for determining the working pressure shall be made in accordance with the actual conditions of support.

In such cases the length of the strip of firebox or combustion chamber top plate to be supported by the girder shall, subject to the limit imposed on the distance of the nearest stay, be taken as equal to the product of the number of bolts carried by the girder into the pitch of the bolts. A maximum nominal stress of 14,000 lbs. per square inch on girder section shall be allowed for steel.

(*d*) Slings, links, pins, rivets, and connections to shell of slung girders shall be sufficient to carry the whole load that would otherwise be carried by the girder, and each girder must be equally slung or supported. For stresses allowed on the sections see regulation 81.

(*e*) In the case of girders supported at the ends only by angle bars riveted to the casing crown, the length L may, when the girder extends over the full breadth of the angle face, be taken as the distance between the centres of the angle faces. When this distance does not exceed that of L in the formula, the pressure shall be determined in the ordinary way. The supporting angles and rivets shall be of sufficient section for the intended purpose. For stresses allowed on the sections see regulation 81.

93. *Design of girders generally.—In dealing with girders generally the following principles shall be observed :—

(*a*) each girder shall be of sufficient strength to support its share of the load on the roof plate independently of the roof plate;

(*b*) the depth D and the thickness t to be used in calculation shall be respectively the effective depth and thickness at or near the middle of the length; projections which do not add to the longitudinal strength shall be disregarded;

(*c*) girders shall be properly attached to the roof plate by bolts or screws.

*NOTE.—It is desirable that there should be a clear space of at least 1¼" in height between the roof plates and the under side of the girder, to facilitate cleaning.

94. Spacing of end stays—Allowance for curves, etc.—(*a*) For the top of fireboxes and combustion chambers, the distance between the rows of stays nearest to the tube plate or firehole plate or back plate as the case may be, and the commencement of curvature of these plates at their flanges shall not be greater than A in the flat plate regulation.

(*b*) Where the tops are joined to the sides by curved portions, if the outer radius of the curved portion is less than half the allowable distance between the girders, the distance between the first girder and the inner surface of the side plate shall not exceed the allowable distance between the girders. If the radius of the curved portion is greater than half the allowable distance between the girders, the width of the flat portion measured from the centre of the girder shall not be more than half the allowable distance between the girders. The working pressure for the supporting bolts and for the plate between them shall be determined in the ordinary way.

95. Cambered firebox tops.—For Messrs. Marshall Sons and Company's patent stayless roof for fireboxes of locotype boilers made of steel in which the centre lines of the corrugations meet the centre lines of the end riveted seams at points not farther distant from the side plates than one half the inner radius of curvature of the corner formed by the roof and side plate, in order to ensure that the thickness and height of the pressed diagonal corrugations of the camber are satisfactory, the working pressure shall not exceed the smaller of the values obtained from the following formulæ :—

$$W.P. = \frac{25000\,(t-1) \times H^2}{W \times L \times \sqrt{W^2 + L^2}} \quad \text{. . . . . Eqn. (45)}$$

$$W.P. = \frac{55\,(t-1)^2 \times (W + \sqrt{W^2 + L^2})^2}{W^2 \times L^2} \quad \text{. . . . Eqn. (46)}$$

t is the thickness of the roof plate in 32nds of an inch,

H is the height of the corrugation at its highest part measured perpendicularly on one side of the plate in inches,

W is the width of the roof plate between the flat of side plates at top less the inner radius of curvature of corner of roof and side plate in inches, *i.e.*, W+radius = internal width of firebox at top.

L is the length of the roof plate between centre lines of rivets in inches.

96. Corrugated firebox tops.—(*a*) For Messrs. Richard Garrett and Son's corrugated stayless roof for fireboxes of locotype boilers made of steel in which the side corrugations are parts of true circles and the radius of the middle corrugation is not more than about ¼th of the radius of the outer corrugations and the corrugations are cambered longitudinally, the working pressure shall not exceed the smaller of the values obtained from the following formulæ :—

$$W.P. = \frac{C}{R} \times \frac{(t-1)^2}{(L + 24)} \quad \text{. . . . . . . Eqn. (47)}$$

$$W.P. = \frac{C_1}{R} \times [10\,(t-1) - L] \quad \text{. . . . . Eqn. (48)}$$

t is the thickness of the corrugated plate in 32nds of an inch,

L is the length of the roof plate between centre lines of rivets in inches,

R is the external radius of the side corrugations at the middle of the length in inches,

$C = 363$ where the roof and side plates are in one piece and 325 where they are riveted,

$C_1 = 12 \cdot 5$ where the roof and side plates are in one piece and $11 \cdot 25$ where they are riveted.

(*b*) (*i*) For Messrs. John Fowler and Company's (Leeds) corrugated roof for fireboxes of locotype boilers made of steel in which the crown of the roof is transversely curved and corrugated in the style of Fox's corrugated furnace and the roof plate, if not solid with the side plates of the firebox, is securely riveted thereto and to the flanges of the tube plate and firehole plate and there is a row of suitably sized and spaced screw stays below the commencement of corrugations on each side attaching the roof plate to the external casing, when the conditions hereunder are complied with the working pressure shall not exceed the smaller of the values obtained from the following formulæ :—

$$W.P. = \frac{C(t-3)}{R} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (47A)}$$

$$W.P. = \frac{C_1(t_1-1)}{W} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (48A)}$$

t is the thickness of roof plate before corrugations are formed, in 32nds of an inch,

t_1 is the thickness of side plates of firebox to which roof plate if attached in 32nds of an inch,

R is the radius of transverse curvature or camber of middle part of corrugation, measured from the bottom of corrugation on water side, in inches,

W is the width of firebox in inches measured over water sides of side plates at the seams attaching them to roof plate.

$C = 240.$

$C_1 = 875.$

(*ii*) The corrugations measured from top to bottom on one side, shall not be less than three times the thickness of the finished plate in depth and not more than 12 times the thickness of the finished plate apart.

(*iii*) The inner radius of corner at sides where corrugations merge into the flat sides shall be not less than 4 times the thickness of the finished plate.

(*iv*) The length of the plain parts at ends of roof between the centre lines of riveted seams and commencement of curvature of corrugations shall not exceed that allowed for flat plate margins under regulation 75.

TUBE PLATES.

97. Parts to be stayed.—(*a*) All flat tube plates, except those of locotype boilers and of other boilers in which the total gross area of surface occupied by tubes in any one plate, being the sum of one or more areas enclosed within lines touching the outsides of the outer rows of tubes does not exceed 7 square feet, shall be stayed within the nests of tubes except as provided in regulation 101.

(*b*) The parts of tube plates which lie outside the nests of tubes shall be stayed or supported wherever the size of the area of plate subject to steam pressure necessitates staying or support, either by marginal stay tubes or other means .

(*c*) Where stay tubes are required they shall be strong enough to support the load due to the steam pressure on the plate without taking account of any aid from the plain tubes contained in the areas.

(*d*) The stiffness of tube plates and pitch of stays within the nests of tubes where stay tubes are required and where marginal stay tubes are required in support of blank spaces adjacent to or between the nests shall be determined by flat plate rules under regulation 69.

The requirements for stay tubes are specified in regulations 84 to 88.

(*e*) Tube plates within the nests of tubes whether fitted with stay tubes or not shall comply with the requirements of regulation 98 in regard to thickness and cross section between tubes.

98. Minimum thickness and cross section.—To provide a secure attachment for plain tubes in the tube plates the thickness and cross section of the plate between the tube holes shall not be less than :—

Steel tube plate,

$\cdot 125D + \cdot 2$ = minimum thickness in inches . . Eqn. (49)

$\cdot 17\ D + \cdot 025$ = minimum cross section in square inches Eqn. (50)

Copper tube plate,

$\cdot 2D + \cdot 4$ = minimum thickness in inches . . . Eqn. (51)

$\cdot 527D - \cdot 263$ = minimum cross section in square inches Eqn. (52)

D is the diameter in inches of the tube at the part of attachment to tube plate.

99. Holding power of plain tubes.—(*a*) Where tube plates are not specially stayed in nests of tubes, the working pressure, based on the holding power of the tubes, shall not exceed that found by the following formula :—

$$W.P. = \frac{C \times D}{A} \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (53)}$$

D is the diameter of tube at the part of attachment to tube plate in inches,

A is the area in square inches of tube plate supported by each tube which generally may be taken as the product of the horizontal and vertical pitches of the tubes less the area of the tube itself,

C = 470 for tubes expanded into parallel holes in steel or iron tube plates,

C = 530 for tubes expanded into taper holes in steel or iron tube plates.

For copper tube plates or copper or brass tubes the appropriate co-efficient should be reduced 20 per cent.

Where the thickness and cross section of the tube plates are less than the minimum prescribed in regulation 98, the appropriate co-efficient shall be reduced in proportion to the deficit.

Where no stay tubes are fitted the tubes at the fire-box end shall be beaded over or bellmouthed.

(*b*) In the unstayed tube plates of locotype boilers and in other tube plates in which stay tubes are not required the support afforded by the plain tubes shall not be taken to extend beyond the lines enclosing the outer edges of the tubes. Parts of flat plate outside this line shall either lie in the plate margin or be separately supported. No account need be taken of the stiffness of tube plate in the nests of tubes when the above conditions are fulfilled.

Ordinarily the requirements of this clause are applicable only to expanded smoke and water tubes in flat continuous tube plates containing more than one row of tubes. See regulation 102 for attachment of tubes of water tube boilers.

100. Tube plates, other than ends, of vertical boilers forming parts of outer shell.—(*a*) When vertical boilers have a nest or nests of horizontal tubes so that there is direct tension on the tube plates due to the vertical load on the boiler ends, or to their acting as horizontal ties across the shell, the thickness of the tube plates and the spacing of the tubes shall be such that the section of metal taking the load is sufficient to keep the stress within that allowed on the shell plates.

(*b*) Each alternate tube in the outer vertical rows of tubes shall be a stay tube. The tube plates between the stay tubes shall be in accordance with the rules for tube plates and in addition, considered as part of shell, the maximum working pressure,—

$$\text{W. P.} = \frac{17{\cdot}24\,(t-2) \times (P-D) \times S}{R \times P} \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (54)}$$

t is the thickness of the tube plate in 32nds of an inch,

P is the vertical pitch of the tubes in inches,

D is the diameter of the tube holes in inches,

S is the minimum tensile breaking strength of the tube plates in tons per square inch, or whatever is allowed for them,

R is the radial distance of the centre of the outer row of tube holes from the axis of the shell in inches.

101. Curved tube plates of water tube boilers.—(*a*) For tube plates forming parts of cylindrical drums the maximum working pressure shall be :—

$$\text{W. P.} = \frac{33{\cdot}3\,(t-4) \times (P-D) \times S}{D_1 \times P} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (55)}$$

t is the thickness of tube plate in 32nds of an inch,

P is the pitch of tubes in inches in lines parallel with the axis of drum,

D is the diameter of the tube holes in inches,

S is the minimum tensile breaking strength of the tube plate in tons per square inch, or whatever is allowed for it,

D_1 is the inside diameter of the drum in inches.

(*b*) Where the tube plates are reduced in thickness for the purpose of jointing either by lapping or by the fitting of butt straps or in order to receive the drum end flanges such reductions shall be gradual and be carefully machined to size.

102. Attachment of tubes of water tube boilers.—(*a*) All tubes shall be carefully drifted or roller expanded in the holes in the tube plates. They shall project through the neck or bearing part in the holes by at least a quarter of an inch and be secured from drawing out by being bellmouthed at each end to the extent of 1/32nd inch for each inch in diameter *plus* 2/32nds inch.

(*b*) The tube holes in the tube plates of drums, pockets or headers shall be formed in such a way that the tubes can be effectively tightened in them. Where the tube ends are not normal to the tube plates, there shall be a neck or belt of parallel seating of at least ½ inch in depth measured in a plane through the axis of the tube at the holes.

(*c*) The tubes shall be arranged so that there is sufficient accessibility for cleaning them both internally and externally.

103. Compression of tube plates.—(*a*) For fire-box or combustion chamber tube plates which are subject to compression due to the pressure on the roof plate, the maximum working pressure shall be :—

$$W.\ P. = \frac{C \times (P - D) \times t}{L \times P} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (56)}$$

t is the thickness of the tube plate in 32nds of an inch,

P is the pitch of the tubes in inches, measured horizontally where the tubes are chain pitched, and diagonally where the tubes are zigzag pitched and the diagonal pitch is less than the horizontal,

D is the internal diameter of the plain tubes in inches,

L is the internal length of the fire-box or combustion chamber in inches measured at top between tube plate and firehole plate or back plate, or between tube plates in double ended boilers with combustion chambers common to two opposite furnaces,

C=875 for steel and 437·5 for copper.

Provided that the above formula shall not apply in the case of fire-boxes where the girders do not rest on the tube plate, or where the roof plate is stayed direct to the outer shell or to girders supported by the shell.

(*b*) Where girders rest on the side plates or the roof plate is so formed that the load is carried both by side and end plates, in no case shall the compressive stress on the plates exceed 14,000 lbs. per square inch for steel or 7,000 lbs. per square inch for copper.

BOILER TUBES, HEADERS, ETC.

Boiler tubes (water) subject to internal pressure.

104. Steel tubes.—(*a*) All tubes, forming parts of boilers or of superheaters that are integral parts of boilers, which are subject to internal pressure of water or steam shall, except as provided by Regulation 105, be made of steel produced by an acid or basic open-hearth process.

(*b*) All such tubes shall be solid drawn and, except as provided in sub-regulation (*c*), shall be without joint.

(*c*) Superheater tubes, having an external diameter not exceeding two inches and a continuous length in excess of the normal manufacturing lengths for solid drawn tubing, may be jointed. Such joints may be flash-welded provided that the welding is done in a butt welding machine of a type approved by an inspecting officer and both the external and internal fins caused by welding are removed.

(*d*) The ultimate tensile breaking strength of the steel when in the billet or bar form shall not exceed 28 tons per square inch with an elongation of not less than 30 per cent. measured on Standard Test Piece F.

(*e*) All tubes prior to being fitted in place shall be subjected to hydraulic test to at least 4 times the working pressure of the boiler into which they are to be fitted. The test pressure shall not be less than 1,000 lbs. nor more than 1,500 lbs. per square inch.

(*f*) The maximum working pressure for the tubes shall be :—

$$W.P. = \frac{140\,(t-8)}{D} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (57)}$$

t is the thickness of tube in 100ths of an inch,

D is the external diameter of the tube in inches.

No tube 1 inch or more in diameter shall be less than 11 S. W. G. (·116") thick.

105. Copper tubes.—Copper tubes up to 1 inch in external diameter may be used for small boilers, such tubes shall not be less than 12 S. W. G. (·104") thick.

106. Headers and section boxes of water tube boilers.—(*a*) Rectangular sectioned headers, superheater boxes and mud boxes of water tube boilers may be of solid drawn or welded steel, or of cast steel complying with the requirements of regulations 37 to 42.

(*b*) Each piece prior to being fitted in place shall be subjected to hydraulic test to double the working pressure of the boiler into which it is to be fitted.

(*c*) Where flat surfaces of headers or similar parts are unpierced for tubes the maximum working pressure for such parts shall be :—

$$W.P. = \frac{C\,(t-3)^2}{D^2} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (58)}$$

t is the thickness of the flat part in 32nds of an inch,

D is the diameter of the flat surface between supports inside in inches measured from commencement of curvature of corner,

C=81 for wrought steel and 64 for cast steel.

Where the headers are corrugated or formed in such a way as to resist bulging or deformation arising from internal fluid pressure, the thickness generally may be as much as 3/32nds inch less than is required by the above formula but in no case shall it be less than 10/32nds inch, except that in small patches not exceeding half a square inch in area the thickness may be as low as 8/32nds inch.

(*d*) All headers exposed to radiation from the fire or to the impact of hot gases and which have only steam within them under working conditions, such as superheater boxes, shall be made of wrought steel and their thickness shall be 12·5 per cent. greater than that required by the above formula.

(*e*) The thickness of the headers at the tube holes shall not be less than—

$$3 \times \sqrt{D_1} + 8 = t \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (59)}$$

t is the thickness required in 32nds of an inch,

D_1 is the diameter of the hole in inches.

(*f*) Facings on headers for sighting doors shall be machined t give a true and fair face for the door to joint upon. The thickness where machined may be 3/32nds inch less than given by the above formula, but shall not be less than 10/32nds inch.

(*g*) (*i*) The sighting hole doors shall be substantial and capable of being removed and replaced from time to time without loss of efficiency or safety.

(*ii*) The bolts by which they are held in place shall be fitted to them in such a way as to satisfy the above conditions.

(*iii*) The doors shall be so designed that they will not blow out in the case of the breakage of the bolt or otherwise.

(*h*) All flanges shall have a fillet with a radius of curvature at least equal to the thickness of the necks to which they are attached.

Boiler Tubes (Smoke) Subject to External Pressure.

107. Steel and Wrought Iron Tubes.—(*a*) Both plain and stay smoke tubes may be made either of wrought iron or of mild steel lapwelded.

(*b*) The maximum working pressure for the tubes shall be :—

$$W.\ P. = \frac{100\ (t-6)}{D} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (60)}$$

t is the thickness of the tubes in 100ths of an inch,

D is the external diameter of the tubes in inches.

(*c*) No tube shall be less than 12 S. W. G. (·104″) thick.

108. Brass and Copper Tubes.—The thickness of tapered brass and copper smoke tubes for locomotive boilers shall, in the case of tubes of an external diameter of $1\frac{1}{2}$ to 1-7/8 inches inclusive, be not less than 12 S. W. G. (·104 inch) at the smoke-box end and 10 S.W. G. (·128 inch) at the other ; and in the case of tubes of an external diameter of 2 to 2-3/8 inches inclusive, the thickness at the smoke box end shall not be less than 11 S. W. G. (·116 inch) and at the other end not less than 9 S. W. G. (·144 inch).

FURNACES.

109. Plain Furnaces of Horizontal Boilers.—For plain furnaces or furnaces strengthened by Adamson or other joints, and for the semi-cylindrical tops of fire-boxes and bottoms of combustion chambers where the sides are securely stayed the working pressure shall not exceed the smaller of the values obtained from the following formulæ :—

$$W.\ P. = \frac{C}{D} \times \frac{(t-1)^2}{(L+24)} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (61)}$$

$$W.\ P. = \frac{C_1}{D} \times [10\ (t-1)-L] \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (62)}$$

D is the external diameter of the furnace or chamber top or bottom in inches,

t is the thickness of the furnace plate in 32nds of an inch,

L is the length of the furnace or other part in inches measured between points of substantial support, *i.e.*, centres of rows of rivets in end seams or commencement of curvature of flange, whichever is applicable.

$C = 1450$ where the longitudinal seams of steel furnaces are welded and 1300 where they are riveted.

$C = 725$ where the longitudinal seams of circular copper fire-boxes of furnaces are fitted with double butt straps and 650 where they are lapped.

$C_1 = 50$ where the longitudinal seams of steel furnaces are welded and 45 where they are riveted,

$C_1 = 25$ where the longitudinal seams of circular copper fire-boxes or furnaces are fitted with double butt straps and 22·5 where they are lapped.

110. Corrugated Furnaces of Horizontal Boilers.—The maximum working pressure to be allowed on corrugated furnaces shall be determined by the following formula :—

$$W.P. = \frac{C(t-1)}{D} \quad \text{Eqn. (63)}$$

D is the external diameter in inches measured at the bottom of the corrugations,

t is the thickness of the furnace plate in 32nds of an inch measured at the bottom of the corrugation or camber,

$C = 480$ for the Fox, Morrison, Deighton, Purves, and other similar furnaces, and 510 for the Leeds Forge Bulb Suspension Furnace.

111. Plain Furnaces of Vertical Boilers.—The same formulæ as for the plain furnaces of horizontal boilers shall be used, but where the furnaces are tapered, the diameter to be taken for calculation purposes shall be the mean of that at the top and of that at the bottom where it meets the substantial support from flange or ring. The length for the same purpose shall be the distance from the centre of the row of rivets connecting the crown and the body of the furnace to the substantial support at the bottom of the furnace, or to a row of screwed stays connecting the furnace to the shell, provided that the pitch of stays at the furnace does not exceed 14 times the thickness of the furnace plate when the stays are riveted at their ends, or 16 times when the stays are fitted with nuts. Such screwed stays shall be in diameter over the threads not less than twice the thickness of the furnace place.

112. Hemispherical Furnaces of Vertical Boilers.—When furnaces are hemispherical in form and subject to pressure on the convex side and are without support from stays of any kind, the maximum working pressure shall be :—

$$W.P. = \frac{275(t-1)}{R} \quad \text{Eqn. (64)}$$

t is the thickness of the top plate in 32nds of an inch,

R is the outer radius of curvature of the furnace in inches.

For the ogee ring which connects the bottom of the furnace to the shell and sustains the whole load on the furnace vertically :—

$$W.P. = \frac{140(t-1)^2}{D(D-D_1)} \quad \text{Eqn. (65)}$$

t is the thickness of the ogee ring in 32nds of an inch,

D is the inside diameter of the boiler shell in inches,

D_1 is the outside diameter of the lower part of the furnace where it joins the ogee ring.

112-A. Corrugated Fireboxes of Vertical Boilers.—For the semi-spirally corrugated fireboxes of "Sentinel" standard motor wagon boilers the working pressure shall be determined by the following formula :—

$$W.\,P. = \frac{C\ (t-1)}{D} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (65-A)}$$

t is the thickness of the firebox plate in 32nds of an inch,

D is the mean of the external diameters of firebox measured over the plain part at each end at commencement of curvature of flange,

C=390.

112-B. Foundations of Vertical Boiler Furnaces.—Where circular furnaces or fireboxes of vertical boilers are not connected to the shell crown by uptake tube, smoke tubes or bolt stays and the whole load on the firebox vertically is borne by the bottom part of the firebox where it is connected to the shell the working pressure for the part, if firebox is joggled out to meet the shell or if an ogee or Z angle ring is fitted, shall not exceed that found by the following formula :—

$$W.\,P. = \frac{C\ (t-1)^2}{D\ (D-D_1)} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (65-B)}$$

t is the thickness of the joggled firebox plate, ogee ring or angle ring in 32nds of an inch,

D is the inside diameter of the boiler shell in inches,

D_1 is the outside diameter of the joggled firebox at the commencement of curvature above joggled part or the outside diameter of the firebox where it joins the ogee ring or angle ring,

C=140 for joggled firebox or ogee ring.

C=80 for Z angle ring.

112-C. Foundations of Loco-type Boiler Fireboxes.—Where the fire-box roof in loco-type boilers is not stayed direct to the external casing crown or to girders carried by the casing or is not connected to the casing by slings in accordance with regulation 92 (*d*) and the whole load on the firebox vertically is borne by the bottom parts of the firebox where connected to the external casing the working pressure for the parts, if plates are joggled out to meet the casing or if an ogee or Z angle ring is fitted, shall not exceed that found by the following formula :—

$$W.\,P. = \frac{C(t-1)^2 \times (L+W)}{L \times W\ (W-W_1)} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (65-C)}$$

t is the thickness of the joggled firebox side plates or fire hole plate (whichever is less), ogee ring or angle ring in 32nds of an inch,

L is the length of firebox casing in inches measured between the water sides of front end plate and saddle plate at the foundation seam,

W is the width of firebox casing in inches measured between the water sides of casing side plates at the foundation seam,

W_1 is the width of firebox in inches measured between the water sides of firebox side plates at the commencement of curvature above joggled part or where it joins the ogee ring or angle ring,

C=70 for joggled plates or ogee ring,

C=40 for Z angle ring.

Where only a comparatively narrow strip of the firebox roof is stayed directly to the casing crown the area so stayed shall be deducted from the area represented by L × W in the bottom line of the formula thus, [L × W—A] (W—W_1) and so used in Equation (65-C) in determining the working pressure for the parts, " A " being the area in square inches of the part of roof supported by the casing crown.

113. Furnaces in general.—(*a*) No furnace or firebox top, whether plain or corrugated, shall exceed 26/32nds inch in thickness, and all circular sectioned furnaces when new shall be as near the truly circular form as the type of joint will permit.

(*b*) For new furnaces of circular section a difference of not more than the thickness of the plate in the cross dimensions of any one section shall be allowed. Rivet holes shall be drilled as in the case of shells.

(*c*) Where cross tubes are fitted they shall not be welded to the furnace tube. The longitudinal seams of cross tubes may be welded ; the weld shall not be exposed to the direct impact of flame. No allowance shall be made for cross tubes in calculating the strength of the furnaces in which they are fitted.

114. Uptakes of Vertical Boilers.—(*a*) The working pressure for uptake tubes of vertical boilers shall be determined by the formulæ for plain furnaces, but only half the least pressure so found is to be allowed for uptake tubes.

(*b*) When crown plates of vertical boilers are not fitted with smoke tubes, the uptake tubes in their capacity as stays shall be strong enough to satisfy the following rule :—

$$W.P. = \frac{A \times S}{A_1} \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (66)}$$

A is the area of net section of tube or of rivets or bolts connecting uptake to furnace or shell crown plates in square inches, whichever is less,

A_1 is the area in square inches of the annular surface around the uptake tube which, when no bolt or other stays are fitted, may be taken as extending to midway between inside of shell and waterside of uptake, but for flat plates in no case beyond what would be allowed for margins under the regulations applicable to flat plates. Where bolt stays are fitted, the surface to be supported by the uptake may be taken as that within the inner circle of the annulus supported by the stays,

S is the stress allowed per square inch of net section of material which for the tube itself, may be 6,000 lbs. and for rivets 7,000 lbs. in either shear or tension.

(*c*) These requirements apply equally either to flat or dished crown plates.

Manholes, Doors and Stand Blocks.

115. Means for Examination and Cleaning.—Wherever the size of the boiler permits, there shall be means for ingress whereby examination and cleaning of the inner surfaces of plates and tubes exposed to flame may be thoroughly effected. When boilers are too small to permit of this, and the construction is such that they cannot readily be taken apart, there shall be manholes and sightholes sufficiently large and numerous to permit of the inside being satisfactorily cleaned.

116. Manholes and Sightholes in Vertical Boilers.—Where large cross tubes are fitted there shall be a sighthole in the shell opposite at least one end of each tube sufficiently large to admit of the examination and cleaning thereof. The doors of such sightholes shall be in positions accessible for that purpose. In addition to the cross tube sightholes there shall be at least three mudholes round the base of the boiler.

117. Manholes, Mudholes and Sightholes in Locomotive Type Boilers.—Wherever the size of the boiler permits there shall be a manhole in the barrel. Barrels of 3 feet and upwards in diameter shall have a manhole not less than 14 inches by 10 inches in the clear. Barrels between 2 feet and 3 feet in internal diameter shall have a manhole not less than 13 inches by 10 inches in the clear. Barrels below 2 feet in internal diameter shall have either a manhole or a sighthole as large as practicable. The opening shall not be less than 9 inches by 6 inches. There shall also be a sighthole or handhole at the bottom of each corner of the fire-box casing. Wherever practicable the holes shall be in the rounded corner and shall be oval in shape with the major axis vertical. The holes shall not be less than $3\frac{1}{2}$ inches by $2\frac{1}{2}$ inches in the clear, wherever the size of the boiler permits.

118. *Elliptical Manholes.—In all large boilers the manholes in cylindrical shells shall have their shorter axes arranged longitudinally but in the barrels of locotype boilers the axes may be arranged either way.

119. †Mudholes and Sightholes.—In all cases in which the covers are internally fitted, mudholes and sightholes shall be elliptical in shape.

120. Compensation Rings to Manholes.—(*a*) Compensation shall be provided in every case for the part cut out of a cylindrical shell for a manhole. The strength of the net section of compensating ring and of the rivets securing it to shell compared with that of the part of shell cut out shall not be less than the strength of the longitudinal seams.

The spacing of the rivets shall be such as not to reduce the strength of the shell plate below that of the longitudinal seams.

(*b*) The percentage of compensating section shall be determined by the following formulæ :—

$$\frac{200\,(W-D) \times Tr}{(L + 2D) \times Ts} = \text{percentage strength of compensating section} \quad \text{Eqn. (67)}$$

$$\frac{80 \times A \times N}{(L+2D) \times Ts} = \text{percentage strength of rivet section} \quad \text{Eqn. (68)}$$

W is the width of compensation ring in inches measured in the direction of the longitudinal axis of the boiler,

L is the length of opening in shell in inches measured in the direction of the longitudinal axis of the boiler,

D is the diameter of rivet holes in inches,

Tr is the thickness of compensation ring in inches,

Ts is the thickness of shell plate in inches,

A is the area of one rivet hole in inches,

* NOTE.—Manholes should be made true ellipses, the standard sizes being $16'' \times 12''$, $15'' \times 11''$ and $14'' \times 10''$ in the clear.

† NOTE.—Standard sizes of mudholes and sightholes are $9'' \times 6''$, $7'' \times 5''$, $5'' \times 3\frac{1}{2}''$ and $3\frac{1}{2}'' \times 2\frac{1}{2}''$.

N is the number of rivets on one side of the longitudinal line. When the rivets are in double shear twice the single rivet section may be allowed.

Parts of raised manhole mouthpieces within four inches of the shell may in addition to the ring, be included in the compensating section.

120-A. Compensation for Cutting Large Holes in Shells.—Where holes are cut in cylindrical shells for mountings, the diameter of the holes being greater than $2\frac{1}{2}$ times the thickness of the shell plate *plus* $2\frac{3}{4}$ inches, compensation shall be fitted as in the case of manholes. Where ordinary sized steel stand blocks or pad pieces are fitted and are securely riveted to the shell, no additional compensation for the hole cut in the shell shall be required. If, however, the net section of the stand block or pad within four inches of the shell is less than the section of the shell plate cut away a compensation ring shall be fitted. Where a large opening is cut in a cylindrical shell to receive another part of the structure, the sides where cut away shall be efficiently cross stayed or strengthened in some other effective manner.

121. Manholes and Mudholes in Flat Plates.—Where a flat plate is flanged to stiffen it at a manhole or sighthole, to permit the same working pressure as would be allowed upon an unpierced plate, the depth of the flange measured from the outer surface shall be at least equal to—

$\sqrt{T \times W}$ = depth of flange in inches . . . Eqn. (69)

where T is the thickness of the plate in inches, and

W is the minor axis of the hole in inches.

122. Stand Blocks and Pads.—Stand blocks and pad pieces for carrying mountings, shall be of cast steel, wrought iron or mild steel, either pressed or welded, and of substantial proportions. They shall be carefully bedded on the shell and the riveting shall be pitched to ensure a tight joint. The jointing faces to which the mountings are to be bolted shall be machined and shall be level when the boiler is in its working position.

123. Doors, Mouthpieces and Cross Bars.—(*a*) All internally fitted doors of manholes, mudholes and sightholes, shall be of wrought iron or steel built up or pressed to shape and annealed, or made from one thickness of plate with a machined recess for the jointing material. Their spigot part or the recess shall not have a greater clearance than 1/16th inch all round, *i.e.*, the axes shall not be less than 1/8th inch smaller than the holes in which they are fitted.

(*b*) The studs or bolts of large doors shall be screwed through the plates In the case of small doors the studs may be forged solid with the doors or if screwed, be efficiently riveted to the doors.

(*c*) Covers of raised circular manhole mouthpieces of Lancashire type boilers and others shall be of mild steel; whether dished or flat, the cover at its thinnest part shall not be of less thickness than would be required under regulation 73 for the intended pressure in the case of a flat plate. The bolts or studs securing the cover to the frame or mouthpiece shall also satisfy the requirements of regulation 91.

(*d*) Manhole mouthpieces for cylindrical shells and end plates shall be made of steel or wrought iron either pressed out of the solid or welded. Circular manhole mouthpieces of Lancashire type boilers, shall not be less than 16 inches in internal diameter and $\frac{3}{4}$ inch in thickness, and when welded the position of the weld shall be at right angles to the longitudinal lines. Cross bars shall be of substantial proportions and either solid forgings of steel or iron or of cast steel.

Boiler Mountings and Fittings

124. * The Requisite Mountings and Fittings.—Every boiler shall be fitted with the following :—

Two safety valves ;

Two independent means of indicating the water level ;

A steam pressure gauge ;

A steam stop valve ;

A feed check valve ;

A blow down cock or valve ;

An attachment for Inspector's test gauge ;

A manhole, where the size and construction permit, and such mud-holes or sightholes as are necessary for effectively cleaning the boiler.

125. Safety Valves.—(*a*) Safety valves shall not be less than 1 inch in diameter except in the case of very small boilers, for which valves of ¾ inch diameter are permitted.

(*b*) The minimum aggregate area of safety valves of ordinary type in each boiler, whether coal fired or oil fired, and whether working under natural forced or induced draught, shall be found by the following formula :—

$$A = H.\,S. \times \frac{C}{(W.\,P. + 15)} \quad . \quad . \quad . \quad . \quad . \quad . \quad \text{Eqn. (70)}$$

A is the aggregate area of safety valves in square inches,

H. S. is the total heating surface of the boiler in square feet,

(See Part II, Chapter I, regulation 157.)

W. P. is the working pressure in lbs. per square inch,

$C = 1 \cdot 25$ for coal fired boilers and $1 \cdot 5$ for oil fired boilers other than water tube,

$C = 1 \cdot 1$ for coal fired water tube boilers and $1 \cdot 25$ for oil fired water tube boilers.

(*c*) All the safety valves of a boiler may be fitted in one chest, but such chest shall be separate from any other valve chest, and shall be connected direct to the boiler or stand block or pad by a strong and stiff neck, the passage through which shall have a cross sectional area at least equal to one half the aggregate area of the safety valves in the chest ;

Provided that the safety valves of small locomotive type boilers with overhead engines may, if the limitations of space so require, be attached to the engine cylinder casting, but in that case there shall be a clear short passage way of ample sectional area and structional strength between the valves and the boiler.

(*d*) The openings in the boiler shell for safety valves shall be left clear and uncovered on the inside and shall not be connected to an internal pipe of any description.

* NOTE.—It is recommended that in Lancashire and Cornish boilers one of the safety valves should be of high-steam and low-water type, and that all land boilers, of ordinary type should have a fusible plug in each furnace. Ramsbottom type safety valves consisting of two valves with a spring and lever in common may be considered as two safety valves for the purpose of this regulation.

(*e*) Each safety valve shall be capable of being lifted a distance equal to at least one-fourth of its effective diameter and there shall be a free outlet or the waste steam.

(*f*) Where a waste steam pipe is fitted, the pipe and the passages leading to it shall have a cross sectional area not less in square inches than the minimum combined areas of the safety valves required under sub-regulation (*b*).

(*g*) For each large enclosed safety valve chest a means of draining shall be provided, and the drain pipe shall be led clear of the boiler.

(*h*) Means shall be provided in every case to prevent the valves being lifted out of their seats when working. Seats of valves exceeding $2\frac{1}{2}$ inches in diameter shall be secured by studs and nuts.

(*i*) In the case of lever valves, if the holes in the lever are not bushed with brass, the pins shall be of brass; iron and iron working together shall not be permitted.

(*j*) The weight of a lever and weight safety valve shall be in one piece and be secured at the end of the lever against a change of position. In the case of spring loaded safety valves, washers or ferrules shall be fitted under the adjusting screws so that the valves cannot be overloaded when under steam.

(*k*) Safety valves shall be accessible and so arranged that they can be eased off their seats at any time. In the case of dead weight and spring loaded safety valves a substantial test lever for the purpose shall be provided.

(*l*) The size of the steel of which the springs of direct loaded safety valves are made shall be found by the following formula :—

$$\sqrt[3]{\frac{L \times D}{C}} = \text{thickness of wire in inches} \quad . \quad . \quad . \quad \text{Eqn. (71)}$$

L is the load on the spring in pounds,

D is the diameter of the spring from centre to centre of wire in inches,

C = 8,000 for round steel and 11,000 for square steel.

The steel wire of which springs of direct spring loaded safety valves are made shall not be less than 3/16 inch in diameter or side of square.

(*m*) The springs shall have a sufficient number of coils with a range of compression equal to at least one-half of the diameter of the valve. When loaded to the working pressure the amount of compression shall not be less than one quarter of the diameter of the valve.

(*n*) The number of coils required in a spring to obtain a given compression or the compression due to the load on the spring may be ascertained approximately by the following formulæ :—

$$N = \frac{K \times C \times d^4}{L \times D^3}$$

$$K = \frac{L \times D^3 \times N}{C \times d^4}$$

N is the number of free coils in spring,

K is the compression of spring in inches,

d is the diameter of round or side of square steel of which spring is made, in 16ths of an inch,

D is the diameter of spring from centre to centre of wire in inches,

L is the load on the spring in pounds,

C=22 for round and 30 for square sectional springs.

126. Water gauges.—(*a*) Every boiler shall have two means of indicating the water level in it, and have marked on it, when applicable, in a contiguous position easily seen, the level of the highest part of the furnaces, fire-box, or combustion chamber as the case may be.

(*b*) * All large boilers shall be fitted with two glass water gauges. For small boilers where there is difficulty in fitting two glass water gauges, two test cocks may be fitted in place of the second glass water gauge.

(*c*) The lowest visible part of the glass of the water gauge and lower test cock shall be fixed at a safe working level. For locomotive type and vertical boilers this shall not be less than 2 inches above the highest part of the firebox roof plate.

(*d*) Glass water gauges shall be so placed as to be easily seen and reached by the boiler attendant. The fittings of glass water gauges and test cocks shall be of substantial make with large passage ways through them, and so constructed that an instrument can be passed through the opening. The gauge cocks when open shall have their handles in a vertical direction and each handle at its junction with the plug shall be plainly marked with a deep line to indicate the direction of the passage way through the plug. A drain cock and pipe shall be fitted to each glass water gauge. A guard to prevent injury to the attendant and a pointer to show the ordinary working water level shall also be fitted to each glass water gauge.

127. Steam pressure gauge.—Each boiler shall have a separate steam pressure gauge placed where it can be easily seen. It shall be marked in pounds per square inch and shall have a range of not less than double the working pressure of the boiler. A red line shall mark the working pressure and a syphon pipe shall be fitted between the pressure gauge and the boiler.

128. Steam stop valve.—(*a*) A steam stop valve shall be fitted between the boiler and the steam pipe and, except in the case in which a superheater forms an integral part of the boiler itself (*e.g.*, in the Babcock and Wilcox water tube boiler) between the boiler and the superheater. Where two or more boilers are connected with a steam receiver or any other vessel, a steam stop valve shall be fitted between the boiler and such receiver or vessel.

(*b*) Steam stop valves shall be attached direct to the boiler shell or to suitable pads or stand blocks riveted to the shell, and the neck of the valve chest shall be reasonably short and of strong construction : Provided that in the case of a large boiler in which it is proposed for the purpose of drainage or owing to obstruction, to connect the steam pipes to the steam stop valve at a higher level than would be obtained under this regulation, a vertical stand pipe not exceeding 5 diameters in height will be permitted between the stop valve and the boiler. Such stand pipes shall be of strong construction, and of wrought iron, mild steel, or cast steel. The flanges of wrought iron or mild steel pipes shall be riveted to the pipes, and there shall be no branch on the stand pipe for any other connection.

Provided also that in the case of a large boiler in which it is desired to fit a tee piece for the purpose of providing a branch connection between the stop valve and the boiler, such a tee piece may be so fitted. The tee piece shall be of strong construction of wrought iron, mild steel, or cast steel and shall not exceed $2\frac{1}{2}''$ diameters in height. A stop valve shall be fitted direct to each tee piece branch.

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*NOTE.—Vertical and Cornish type boilers not exceeding 3 feet in internal diameter of shell may be considered as small boilers for the purpose of this sub-regulation.

129. Feed check valves.—The feed che c valve shall be attached direct to the boiler or to a suitable pad and be of combined non-return and shut-down type. The valve opening in boiler or end of internal feed pipe shall be above the low-water level and below the working level.

130. Blow down cock or valve and pipes.—(*a*) The blow-down cock or valve shall be of substantial construction. The waste pipe attached to the cock or valve shall not be connected to a pipe common to another boiler. The pipe shall not be bound fast in earth or brick-work.

(*b*) (*i*) For locomotive type, vertical and marine type boilers the cock or valve shall be attached direct to the boiler or to a suitable pad or stand block. For water tube boilers the cock or valve shall be outside the brick-work with a substantial steel pipe between it and the mudbox.

(*ii*)* For Cornish and Lancashire boilers the cock or valve may be attached to a cast steel elbow pipe of substantial section bolted to a suitable stand block riveted to the boiler. But cast iron elbow pipes shall not be permitted.

131. Inspector's pressure gauge attachment.—(*a*) Every boiler shall be fitted with a valve or cock carrying in a vertical position, a receiving screw for the attachment of the Inspector's pressure gauge.

(*b*) Except when the valve or cock forms part of the pipe carrying the boiler pressure gauge, it shall be attached to the top of the shell near the pressure gauge.

(*c*) The receiving socket shall be tapped $\frac{3}{4}$ inch British Standard Whitworth screw thread, and shall be fitted with an easily removable cap.

(*d*) In the case of small boilers which cannot be entered by an Inspector and which are hydraulically tested at each inspection a plug hole tapped 7/8 inch British Standard Whitworth screw thread shall be provided in a handy position for the attachment of the Inspector's test pump hose nipple.

132. Manholes, mudholes and sightholes.—See regulations 115 to 123.

133. Fusible plugs.—Plugs, where fitted, shall be over the hottest part of the furnace or firebox. The outside and inside of the plug shall be kept clean and the fusible metal shall be periodically renewed.

134. Design of boiler mountings.—All boiler-mounting valves over 2 inches diameter shall have outside screws, their covers shall be secured by bolts or studs, and all shall be arranged to be shut with a right hand motion of the wheels.

135. Material of valve chests.—Feed valve chests and all stop and safety valve chests when subjected to saturated steam only, for working pressures up to 160 lbs. per square inch may be made of cast iron, but such valve chests when subjected to superheated steam shall, whatever the working pressure, be of cast steel or other approved material.

136. Cocks and valves to be easily seen whether open or shut.—The construction of all important cocks and valves connected to the boiler shall be such as to show without difficulty whether they are open or shut.

*NOTE.—It is recommended that the waste pipe attached to the cock or valve should not be connected to a pipe common to another boiler. It should not be bound fast in earth, brick-work, or other setting.

137. Studs and bolts securing mountings.—(*a*) When boiler mountings are secured by studs, the studs shall have a full thread holding in the plate for a length of at least one diameter. If the stud holes penetrate the whole thickness of the plate, the stud shall be screwed right through the plate and be riveted or fitted with a nut inside the boiler wherever the construction of the boiler permits.

(*b*) Where boiler mountings are secured by bolts, the bolts shall be screwed right through the plate with their heads inside the boiler.

138. Boilers mountings.—The chests of blow down cocks and valves, water gauge valves and cocks, and similar fittings, shall be made of good and suitable bronze; provided that the use of blow down cocks, valves and other mountings with chests of forged steel of a design approved by the Chief Inspector of Boilers and so fitted that ashes are not liable to cause corrosion to external surfaces may be permitted. All cocks used with boilers working at 100 lbs. pressure or above shall be asbestos packed and of substantial design and make.

139. Chests and parts of mountings and fittings.—Subject to the limitations of regulations 130, 135 and 138 the above mentioned chests and parts of mountings and fittings may be made of cast steel, cast iron, or bronze.

140. *Cast steel chests, etc.—(*a*) Steel-castings, when machined and steady for fitting in place, shall be subjected to a hydraulic test equal to twice the working pressure which they may have to bear.

(*b*) Steel-castings which will be subject to the action of feed water shall be made of steel of which the manganese content does not exceed ·8 per cent.

141. Chests, etc., in general.—All chests and fittings shall be smooth, sound and free from flaws, cracks or other injurious defects. After completion they shall withstand satisfactorily a hydraulic test to at least twice the working pressure of the boiler for which they are intended.

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*NOTE.—Generally such steel castings should be made of a metal, the tensile breaking strength of which is not less than 28 or more than 35 tons per square inch with an elongation of 15 per cent. in 2 inches. When the castings are intricate, the tensile breaking strength may be higher, so long as the elongation is not less than 12½ per cent. in 2 inches.

In the case of cast iron chests, etc., it is recommended that cast iron for boiler mountings and fittings exposed to pressures exceeding 75 lbs. per square inch should have a tensile breaking strength of not less than 9 tons per square inch and be subject to the following test:—

Bars 1½ inches square in section placed on knife-edged supports six inches apart shall withstand without fracture the impact of a 21 lb. weight dropped four times from a height of 15 inches.

In the case of bronze chests, etc., it is recommended that bronze for all mountings and fittings should be of the Admiralty composition, *viz*., cu. 87·5, Sn. 10, Zn. 2, and Pb. ·5, when subject to a temperature exceeding 350° Fahr. Other good bronzes may be used for mountings and fittings, if they are shown to be equally satisfactory. Such bronzes should have an ultimate tensile breaking strength of not less than 14 tons per square inch with an elongation of 10 per cent. in 2 inches when at a temperature of 550° Fahr. Good commercial bronze for general purposes should have a tensile breaking strength of not less than 14 tons per square inch with an elongation of 10 per cent. in 2 inches when at a temperature of 350° Fahr.

The working pressure and thickness of the chests or pipes shall be determined by the following formulæ :—

$$W.\ P. = \frac{C\ (t-X)}{D} \qquad \text{Eqn. (72)}$$

$$t = \frac{W.\ P. \times D}{C} + X \qquad \text{Eqn. (73)}$$

D is the internal diameter of the chest in inches,

t is the thickness of the chest in 32nds of an inch,

C is a co-efficient from the following table,

X is a provision for toleration, etc., from the following table.

TABLE OF VALUES OF C AND X.

Material of Casting.	C.	X.
Cast steel, 28/35 tons tensile strength	400	8
Cast iron, at least 9 tons tensile strength	160	6
Bronze, at least 14 tons tensile strength	175	4

STEAM PIPES AND FITTINGS.

142. Steam pipe may be of wrought iron, wrought steel, cast steel and in some cases of copper. The requirements for pipes and flanges are given below.

143. Copper Pipes.—(*a*) No pipe made from the electro-deposition of copper on a mandril shall be used for steam delivery. All copper pipes shall be properly annealed before putting in place. All copper steam pipes subject to a pressure over 75 lbs. per square inch shall be solid drawn.

(*b*) No steam pipe intended for a working pressure over 180 lbs. per square inch shall be made of copper when the internal diameter exceeds 5 inches. No copper pipe shall be used for superheated steam.

(*c*) All copper steam pipes on completion and prior to being fitted in place shall be subjected to hydraulic test to at least twice the working pressure.

(*d*) The working pressure of copper pipes shall be determined by the following formula :—

$$W.\ P. = \frac{C\ (t-3)}{D} \qquad \text{Eqn. (74)}$$

D is the internal diameter of the pipe in inches,

t is the thickness of the pipe in 100ths of an inch,

$C = 60$ for solid drawn pipes,

$C = 45$ for brazed pipes.

(e) When copper pipes are bent, they shall be made thicker to provide for thinning at the bend. In no case shall the radius of curvature at the centre line of the pipe be less than twice the external diameter of the pipe.

144. Wrought Iron and Steel Pipes.—(a) These pipes may be solid drawn lap-welded or riveted.

(b) The process of welding the seams shall be by hammering or rolling the joint.

(c) On completion of any work which involves heating, whether for welding the joint, welding on flanges, hot bending the pipe, or for any other purpose, the pipe shall be carefully annealed.

(d) Mild steel for lap-welded steam pipes and tubes shall have a tensile breaking strength not exceeding 28 tons per square inch, with a minimum elongation of 25 per cent. on the standard test piece.

(e) All iron or steel steam pipes and tubes prior to being fitted in place shall be subjected to hydraulic test to at least 3 times the working pressure.

(f) The maximum working pressure allowed on pipes shall be determined by the following formulæ :—

(1) Solid drawn cold finished pipes (up to 28 tons tensile breaking strength).

$$W. P. = \frac{120\,(t-10)}{D} \quad \ldots \quad \text{Eqn. (75)}$$

(2) Solid drawn hot finished pipes (up to 28 tons tensile breaking strength).

$$W. P. = \frac{120\,(t-12)}{D} \quad \ldots \quad \text{Eqn. (76)}$$

(3) Welded pipes of iron or steel whether with or without covering strap.

$$W. P. = \frac{90\,(t-12)}{D} \quad \ldots \quad \text{Eqn. (77)}$$

(4) Pipes with riveted joints (J being the strength of joint per cent. of the solid plate or strip).

$$W. P. = \frac{1 \cdot 2 \times J \times (t-9)}{D} \quad \ldots \quad \text{Eqn. (78)}$$

(g) No wrought iron or steel steam pipe shall be less in thickness than :—

$$t = 5 \times \sqrt{D} + 2 \quad \ldots \quad \text{Eqn. (79)}$$

D is the internal diameter of the pipe in inches,

t is the thickness of the pipe in 100ths of an inch.

145. Cast Steel Pipes.—Pipes, bends, tee pieces, etc., of cast steel shall comply with the requirements of regulations 140 and 141. The working pressure and thickness shall be determined by the formulæ under regulation 141.

146. * Flanges of Copper Pipes.—Flanges of copper pipes may be made of the usual brass or bronze or of wrought iron or of wrought or cast steel.

147. Flanges of Iron and Steel Pipes.—Flanges of iron and steel pipes may be made of cast steel, wrought iron or wrought steel made without a weld. The pipes may be expanded by rollers into flanges having a series of recesses formed within them or they may be screwed into the flanges with a disappearing thread. Flanges may be riveted, when practicable, to pipes of any size. Loose flanges may be used where joint faces are formed by means of flanges integral with the ends of pipes, provided that (1) such loose flanges conform with the British Standard Institution's standards appropriate for the pressures concerned, (2) the joint faces extend inwards to the bores of pipes, (3) the integral flanges after machining are not of less thickness than that of the pipes, and (4) the steam pipes employed have the minimum thicknesses specified below, namely :—

Nominal size of pipe.	Minimum thickness of pipe.
Not more than $3\frac{1}{2}''$	5 I. W. G.
More than $3\frac{1}{2}''$ but not more than $6''$	4 I. W. G.
More than $6''$ but not more than $9''$	$\frac{1}{4}''$
More than $9''$ but not more than $11''$	$\frac{5}{16}''$
More than $11''$ but not more than $16''$	$\frac{3}{8}''$
More than $16''$	$\frac{1}{2}''$

148. Welded and brazed flanges.—Flanges made of iron or steel may be welded by any suitable process to pipes made of wrought iron, ingot iron or tube steel, and if the flanges are made of iron or tube steel they may be welded to mild steel pipes. When flanges are attached to copper pipes by brazing or to iron or steel pipes by welding they shall also be secured in such additional way (*e.g.*, by riveting the ends or forming a conical end so as to fit into a conical bore in the flange) that the resistance to withdrawal from the flange does not depend wholly on the brazing or welding.

148-A. Steam pipe Fittings and Connections.—The fittings connected with main steam pipes included in the steam piping through which steam passes directly from a boiler to a prime mover or other first-user, exclusive of the boiler stop valve and engine or first-user stop valve, shall comply with the requirements specified below.

148-B. Superheaters not forming integral parts of Boilers.—(*a*) Rectangular sectioned headers, or steam boxes, and tubes of superheaters, shall be constructed in accordance with the requirements of regulations 106 and 104 respectively and on completion the superheater shall be subjected to hydraulic test to double the working pressure of the boiler to which it is to be attached.

(*b*) Where size permits a spring loaded safety valve of not less than $1\frac{1}{4}$ inches in diameter constructed in accordance with the requirements of regulation 125 shall be fitted to the steam box or header.

* NOTE.—It is desirable that the size and thickness of flanges and the number and size of their bolts should be as prescribed by the British Engineering Standards Association.

148-C. Steam Receivers, Separators, etc.—(*a*) The shells of steam receivers, steam separators, steam driers, catch waters, drop legs, interceptors, etc., may be made of wrought iron, wrought steel or cast steel.

(*b*) (*i*) When made of wrought iron or wrought steel the shells shall comply with the requirements for boiler drums.

(*ii*) The working pressure for the parts shall be determined by the formulæ prescribed for corresponding parts of boilers and the hydraulic test pressure to which the vessel shall be subjected on completion shall be that prescribed for boilers.

(*iii*) When longitudinal seams of vessels over 15 inches in internal diameter are welded the seams shall be covered by butt straps.

(*iv*) For welded seams the standard co-efficient C of regulation 45 (*a*) to be used in determining the working pressure shall be 3·0 for both welded and welded and strapped seams. The strength percentage to be allowed for the weld shall be 50 and J., the strength percentage to be allowed for welded and strapped seams, shall be determined in accordance with regulation 57.

(*v*) No shell plate shall be less than ¼ inch in thickness.

(*vi*) The radius of curvature at the flange of flanged end plates shall not be less than 4 times the required thickness of the end plate.

(*vii*) Branches for attachment of steam piping shall be flanged and be either flanged and riveted or welded to the vessel.

(*c*) (*i*) Where made of cast steel the shells shall comply with the requirements of regulations 140 and 141.

(*ii*) The working pressure for flat end plates of cast steel shall be determined by the formulæ for flat end plates of wrought steel.

(*d*) Suitable arrangements for drainage shall be fitted to all vessels intended for use in the separation of condensed steam (in steam) piping. Where automatic drainage is not provided a glass water gauge of substantial make to indicate the water level in the vessel and a substantial drain cock or valve shall be fitted.

148-D. Valve Chests.—(*a*) Chests of stop valves, isolating valves, reducing valves, etc., forming parts of wrought iron or wrought steel main steam piping when for use with saturated steam upto a gauge pressure of 160 lbs. per square inch may be made of cast iron, cast steel or wrought steel in accordance with the requirements of regulation 141. When superheated steam is used or when pressures are above 160 lbs. per square inch, gauge, such chests, isolating valves, reducing valves, etc., shall be made of cast or wrought steel or other approved material in accordance with the requirements of regulations 140 and 141 for cast steel chests.

(*b*) When the main steam pipes are made of copper the valve chests abovementioned may be made of cast iron or steel, wrought steel or bronze or other approved material in accordance with the requirements of regulations 140 and 141.

148-E. Other fittings and mountings.—(*a*) No chest or flange or blank flange of cast iron shall be attached directly to main steam pipes or form part of main steam piping. Couplings or sockets may be used on pipes up to 4 in.

internal diameter with pressures up to 120 lbs. per square inch, gauge and up to 5 in. diameter with pressures up to 100 lbs. per square inch, gauge. In all other cases, flanges with bolts and nuts shall be used.

(*b*) Blank flanges shall be of mild steel or cast steel and shall be of substantial make and adequate thickness.

(*c*) Valve chests of bronze for stop valves up to 3 in. diameter of bore may be attached directly to iron and steel steam pipes when pressures do not exceed 120 lbs. per square inch, gauge, and when steam is saturated. The attachment* may be by direct screwing to the steam pipe or by means of flanges.

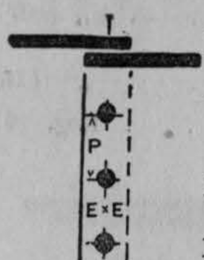
(*d*) Drain cocks and valves may be attached to steam pipes either by flange and bolts or be screwed into a boss formed on the pipe.

* NOTE.—Flanged joints are recommended.

Diagrams of Riveted Joints with Formulæ.

SINGLE RIVETED JOINTS.

FIG. 1. LAP JOINT. ONE RIVET PER PITCH.



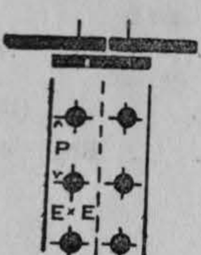
Max. Pitch $=1\cdot31\times T+1\cdot625$ . . . . . Eqn. (13)

Plate % $=\frac{100\ (P-D)}{P}$ . . . „ (2)

Rivet % $=\frac{100\times A\times S_1}{P\times T\times S}$ . . . . . „ (3)

E $=1\cdot5\times D$ . . . . . Reg. 61

FIG. 2. SINGLE BUTT STRAP. ONE RIVET PER PITCH.



Max. Pitch $=1\cdot53\times T+1\cdot625$ . . . . . Eqn. (13)

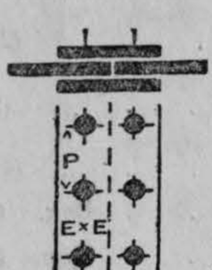
Plate % $=\frac{100\ (P-D)}{P}$ . . . . . . „ (2)

Rivet % $=\frac{10\times A\times S_1}{P\times T\times S}$ . . . . . . „ (3)

E $=1\cdot5\times D$ . . . . Reg. 61

BUTT STRAP $=1\cdot125\times T$ . . . . . . Eqn. (5)

FIG. 3. DOUBLE BUTT STRAP. ONE RIVET PER PITCH.



Max. Pitch $=1\cdot75\times T+1\cdot625$ . . . . . Eqn. (13)

Plate % $=\frac{100\ (P-D)}{P}$ . . . . . „ (2)

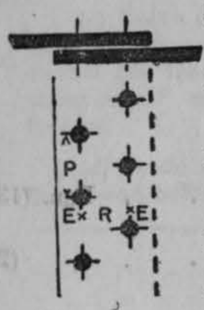
Rivet % $=\frac{100\times A\times 1\cdot875S_1}{P\times T\times S}$ . . . . . „ (3)

E $=1\cdot5\times D$ . . . . Reg. 61

BUTT STRAPS$=\cdot625\times T$ . . . . . . Eqn. (7)

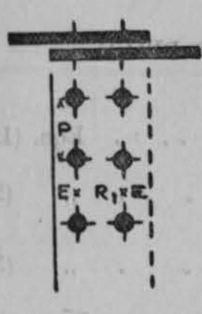
DOUBLE RIVETED JOINTS.

FIG. 4. LAP JOINT. TWO RIVETS PER PITCH.



Max. Pitch	$=2\cdot62\times T+1\cdot625$	Eqn. (13)
Plate %	$=\dfrac{100\,(P-D)}{P}$	„ (2)
Rivet %	$=\dfrac{100\times A\times 2\times S_1}{P\times T\times S}$	„ (3)
R	$=\cdot33\,P+\cdot67\,D$	„ (14)
E	$=1\cdot5\times D$	Reg. 61

FIG. 5. LAP JOINT. TWO RIVETS PER PITCH.



Max. Pitch	$=2\cdot62\times T+1\cdot625$	Eqn. (13)
Plate %	$=\dfrac{100\,(P-D)}{P}$	„ (2)
Rivet %	$=\dfrac{100\times A\times 2\times S_1}{P\times T\times S}$	„ (3)
R_1	$=2\times D$	„ (15)
E	$=1\cdot5\times D$	Reg. 61

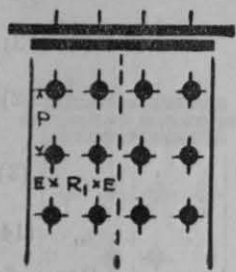
FIG. 6. SINGLE BUTT STRAP. TWO RIVETS PER PITCH.



Max. Pitch	$=3\cdot06\times T+1\cdot625$	Eqn. (16)
Plate %	$=\dfrac{100\,(P-D)}{P}$	„ (2)
Rivet %	$=\dfrac{100\times A\times 2\times S_1}{P\times T\times S}$	„ (3)
R	$=\cdot33\,P+\cdot67\,D$	„ (14)
E	$=1\cdot5\times D$	Reg. 61
BUTT STRAP	$=1\cdot125\times T$	Eqn. (5)

DOUBLE RIVETED JOINTS.

FIG. 7. SINGLE BUTT STRAP. TWO RIVETS PER PITCH.



Max. Pitch $=3\cdot06\times T+1\cdot625$ . . . . Eqn. (13)

Plate % $=\frac{100\ (P-D)}{P}$ . . . . „ (2)

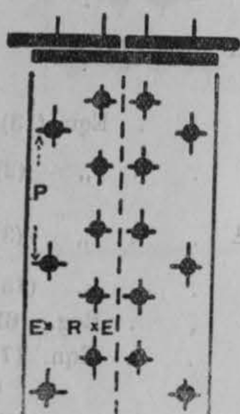
Rivet % $=\frac{100\times A\times 2\times S_1}{P\times T\times S}$ . . . . „ (3)

R_1 $=2\times D$ . . . . . „ (15)

E $=1\cdot5\times D$ . . . . . Reg. 61

BUTT STRAP $=1\cdot125\times T$ . . . . Eqn. (5)

FIG. 8. SINGLE BUTT STRAP. THREE RIVETS PER PITCH.



Max. Pitch $=4\cdot05\times T+1\cdot625$ . . . Eqn. (13)

Plate % $=\frac{100\ (P-D)}{P}$ . . . . . „ (2)

Rivet % $=\frac{100\times A\times 3\times S_1}{P\times T\times S}$ . . . . „ (3)

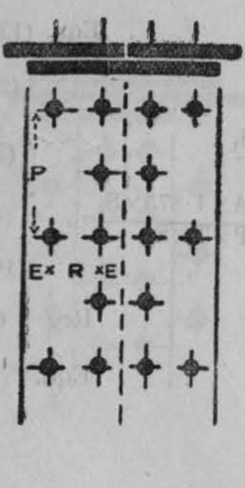
Combined % $=\frac{100\ (P-2\ D)}{P}+\frac{100\times A\times S_1}{P\times T\times S}$. „ (4)

R $=\cdot2\ P+1\cdot15\ D$ . . . . „ (16)

E $=1\cdot5\times D$ . . . . . Reg. 61

BUTT STRAP $=1\cdot125\ T\times\frac{(P-D)}{(P-2\ D)}$ . . . Eqn. (6)

FIG. 9. SINGLE BUTT STRAP. THREE RIVETS PER PITCH.



Max. Pitch $=4\cdot05\times T+1\cdot625$ . . . Eqn. (13)

Plate % $=\frac{100\ (P-D)}{P}$ . . . . . „ (2)

Rivet % $=\frac{100\times A\times 3\times S_1}{P\times T\times S}$ . . . „ (3)

Combined % $=\frac{100\ (P-2\ D)}{P}+\frac{100\times A\times S_1}{P\times T\times S}$. „ (4)

R $=\cdot33\ P+\cdot67\ D$ . . . . „ (14)

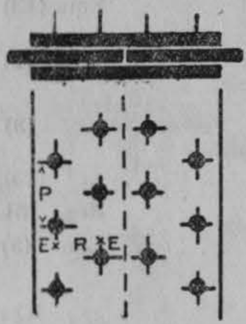
or $2\times D$ whichever is greater . „ (15)

E $=1\cdot5\times D$ . . . . . Reg. 61

BUTT STRAP $=1\cdot125\ T\times\frac{(P-D)}{(P-2\ D)}$ . . . Eqn. (6)

DOUBLE RIVETED JOINTS.

FIG. 10. DOUBLE BUTT STRAP. TWO RIVETS PER PITCH.



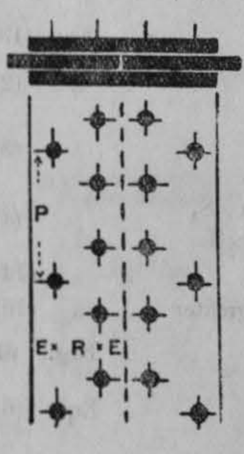
Max. Pitch	$=3\cdot5\times T+1\cdot625$ . . .	Eqn. (13)
Plate %	$=\frac{100\,(P-D)}{P}$	,, (2)
Rivet %	$=\frac{100\times A\times 2\times 1\cdot875\times S_1}{P\times T\times S}$ . .	,, (3)
R	$=\cdot33\,P+\cdot67\,D$	,, (14)
E	$=1\cdot5\times D$	Reg. 61
BUTT STRAPS	$=\cdot625\times T$	Eqn. (7)

FIG. 11. DOUBLE BUTT STRAPS. TWO RIVETS PER PITCH.



Max. Pitch	$=3\cdot5\times T+1\cdot625$ . . .	Eqn. (13)
Plate %	$=\frac{100\,(P-D)}{P}$	,, (2)
Rivet %	$=\frac{100\times A\times 2\times 1\cdot875\times S_1}{P\times T\times S}$ . .	,, (3)
R_1	$=2\times D$	,, (15)
E	$=1\cdot5\times D$	Reg. 61
BUTT STRAPS	$=\cdot625\times T$	Eqn. (7)

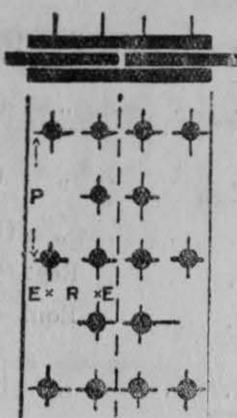
FIG. 12. DOUBLE BUTT STRAPS. THREE RIVETS PER PITCH.



Max. Pitch	$=4\cdot63\times T+1\cdot625$ . . .	Eqn. (13)
Plate %	$=\frac{100\,(P-D)}{P}$	,, (2)
Rivet %	$=\frac{100\times A\times 3\times 1\cdot875\times S_1}{P\times T\times S}$ . .	,, (3)
Combined %	$=\frac{100\,(P-2\,D)}{P}+\frac{100\times A\times 1\cdot875\times S_1}{P\times T\times S}$	,, (4)
R	$=\cdot2\,P+1\cdot15\,D$	,, (16)
E	$=1\cdot5\times D$	Reg. 61
BUTT STRAPS	$=\cdot625\,T\times\frac{(P-D)}{(P-2\,D)}$ . . .	Eqn. (8)

DOUBLE RIVETED JOINTS.

FIG. 13. DOUBLE BUTT STRAP. THREE RIVETS PER PITCH.



Max. Pitch $=4{\cdot}63\times T+1{\cdot}625$ . . . Eqn.

Plate % $=\frac{100\ (P-D)}{P}$ . . . . . „ (2)

Rivet % $=\frac{100\times A\times 3\times 1{\cdot}875\times S_1}{P\times T\times S}$ . . „ (3)

Combined % $=\frac{100\ (P-2\ D)}{P}+\frac{100\times A\times 1{\cdot}875\times S_1}{P\times T\times S}$ „ (4)

R $=\cdot 33\ P+\cdot 67\ D$ . . . . „ (14)

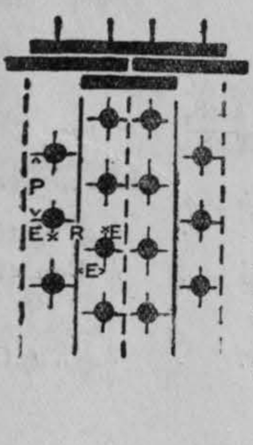
or $2\times D$ whichever is greater , (15)

E $=1{\cdot}5\times D$ . . . . . Reg. 61

BUTT STRAPS $=\cdot 625\ T\times\frac{(P-D)}{(P-2\ D)}$ . . . Eqn. (8)

FIG. 14. DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

TWO RIVETS PER PITCH.



Max. Pitch $=3{\cdot}5\times T+1{\cdot}625$ . . . Eqn. (13)

Plate % $=\frac{100\ (P-D)}{P}$ . . . . „ (2)

Rivet % $=\frac{100\times A\times 2{\cdot}875\times S_1}{P\times T\times S}$ . . . . „ (3)

R $=\cdot 33\ P+\cdot 67\ D$ . . . . „ (14)

E $=1{\cdot}5\times D$ . . . . . Reg. 61

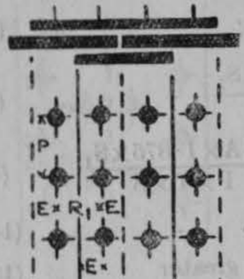
BUTT STRAP (WIDE). $=\cdot 75\ T$ . . . . . Eqn. (9)

BUTT STRAP (NARROW). $=\cdot 625\ T$ . . . . . . „ (10)

DOUBLE RIVETED JOINTS.

FIG. 15. DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

TWO RIVETS PER PITCH.



Max. Pitch $=3\cdot5\times T+1\cdot625$ . . . . Eqn. (13)

Plate % $=\frac{100\ (P-D)}{P}$ . . . . . „ (2)

Rivet % $=\frac{100\times A\times 2\cdot875\times S_1}{P\times T\times S}$ . . . . „ (3)

R_1 $=2\times D$ . . . . . . „ (15)

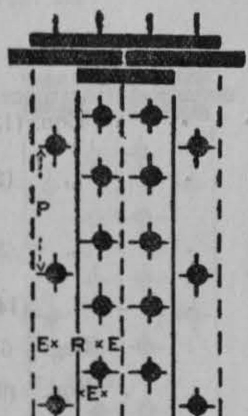
E $=1\cdot5\times D$ . . . . . . Reg. 61

BUTT STRAP (WIDE). $=\cdot75\ T$ . . . . . Eqn. (9)

BUTT STRAP (NARROW). $=\cdot625\ T$ . . . . . „ (10)

FIG. 16. DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

THREE RIVETS PER PITCH.



Max. Pitch $=4\cdot63\times T+1\cdot625$ . . . Eqn. (13)

Plate % $=\frac{100\ (P-D)}{P}$ . . . . . „ (2)

Rivet % $=\frac{100\times A\times 4\cdot75\times S_1}{P\times T\times S}$ . . . . „ (3)

Combined % $=\frac{100\ (P-2\ D)}{P}+\frac{100\times A\times S_1}{P\times T\times S}$ . . „ (4)

R $=\cdot2\ P+1\cdot15\ D$ . . . . . „ (16)

E $=1\cdot5\times D$ . . . . . Reg. 61

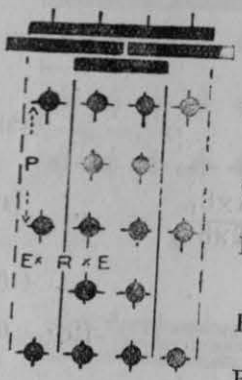
BUTT STRAP (WIDE). $=\cdot75\ T\times\frac{(P-D)}{(P-2\ D)}$ . . . Eqn. (11)

BUTT STRAP (NARROW). $=\cdot625\ T\times\frac{(P-D)}{(P-2\ D)}$ . . . . „ (12)

DOUBLE RIVETED JOINTS.

FIG. 17. DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

THREE RIVETS PER PITCH.



Max. Pitch $=4\cdot63\times T+1\cdot625$ . . . Eqn. (13)

Plate % $=\frac{100\,(P-D)}{P}$ . . . „ (2)

Rivet % $=\frac{100\times A\times 4\cdot75\times S_1}{P\times T\times S}$ . . . „ (3)

Combined % $=\frac{100\,(P-2\,D)}{P}+\frac{100\times A\times S_1}{P\times T\times S}$ . . „ (4)

R $=\cdot33\,P+\cdot67\,D$ . . . . . „ (14)

or $2\times D$ whichever is greater . „ (15)

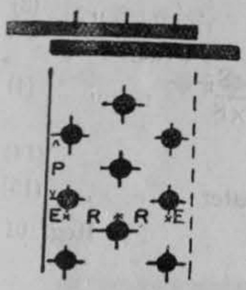
E $=1\cdot5\times D$ . . . . . Reg. 61

BUTT STRAP (WIDE). $=\cdot75\,T\times\frac{(P-D)}{(P-2\,D)}$ . . . Eqn. (11)

BUTT STRAP (NARROW). $=\cdot625\,T\times\frac{(P-D)}{(P-2\,D)}$ . . . „ (12)

TREBLE RIVETED JOINTS.

FIG. 18. LAP JOINT. THREE RIVETS PER PITCH.



Max. Pitch $=3\cdot47\times T+1\cdot625$ . . . Eqn. (13)

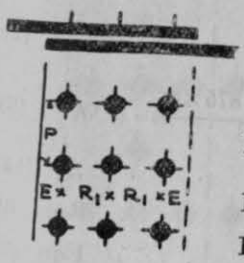
Plate % $=\frac{100\,(P-D)}{P}$ . . . . „ (2)

Rivet % $=\frac{100\times A\times 3\times S_1}{P\times T\times S}$ . . . „ (3)

R $=\cdot33\,P+\cdot67\,D$ . . . . „ (14)

E $=1\cdot5\times D$ . . . . . Reg. 61

FIG. 19. LAP JOINT. THREE RIVETS PER PITCH.



Max. Pitch $=3\cdot47\times T+1\cdot625$ . . . Eqn. (13)

Plate % $=\frac{100\,(P-D)}{P}$ . . . . „ (2)

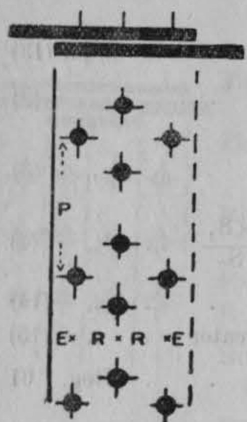
Rivet % $=\frac{100\times A\times 3\times S_1}{P\times T\times S}$ . . „ (3)

R_1 $=2\times D$ . . . . . . „ (15)

E $=1\cdot5\times D$ . . . . . Reg. 61

TREBLE RIVETED JOINTS.

FIG. 20. LAP JOINT. FOUR RIVETS PER PITCH.



Max. Pitch $=4\cdot14\times T+1\cdot625$ . . . Eqn. (13)

Plate % $=\dfrac{100\,(P-D)}{P}$ . . . „ (2)

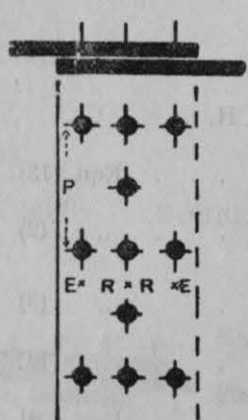
Rivet % $=\dfrac{100\times A\times 4\times S_1}{P\times T\times S}$ . . . „ (3)

Combined % $=\dfrac{100\,(P-2\,D)}{P}+\dfrac{100\times A\times S_1}{P\times T\times S}$ . . „ (4)

R $=\cdot2\,P+1\cdot15\,D$ . . . . . „ (16)

E $=1\cdot5\times D$ . . . . . . Reg. 61

FIG. 21. LAP JOINT. FOUR RIVETS PER PITCH.



Max. Pitch $=4\cdot14\times T+1\cdot625$ . . . Eqn. (13)

Plate % $=\dfrac{100\,(P-D)}{P}$ . . . . „ (2)

Rivet % $=\dfrac{100\times A\times 4\times S_1}{P\times T\times S}$ . . . „ (3)

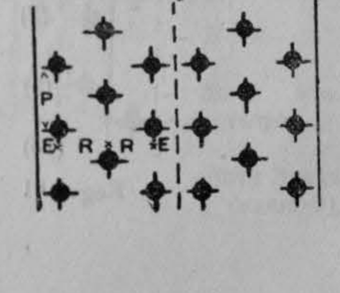
Combined % $=\dfrac{100\,(P-2\,D)}{P}+\dfrac{100\times A\times S_1}{P\times T\times S}$. „ (4)

R $=\cdot33\,P+\cdot67\,D$ . . . . . „ (14)

or 2 D whichever is greater . „ (15)

E $=1\cdot5\times D$ . . . . . Reg. 61

FIG. 22. DOUBLE BUTT STRAP. THREE RIVETS PER PITCH.



Max. Pitch $=4\cdot63\times T+1\cdot625$ . . Eqn. (13)

Plate % $=\dfrac{100\,(P-D)}{P}$ . . . „ (2)

Rivet % $=\dfrac{100\times A\times 3\times 1\cdot875\times S_1}{P\times T\times S}$. „ (3)

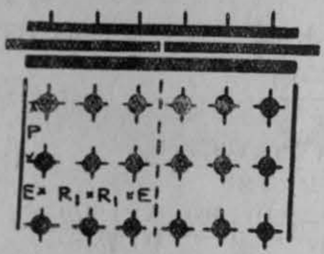
R $=\cdot33\,P+\cdot67\,D$ . . . „ (14)

E $=1\cdot5\times D$ . . . . Reg. 61

BUTT STRAPS $=\cdot625\,T$. . . . Eqn. (7)

TREBLE RIVETED JOINTS.

FIG. 23. DOUBLE BUTT STRAP. THREE RIVETS PER PITCH.



Max. Pitch $= 4 \cdot 63 \times T + 1 \cdot 625$ . . Eqn. (13)

Plate % $= \frac{100\ (P - D)}{P}$ . . . „ (2)

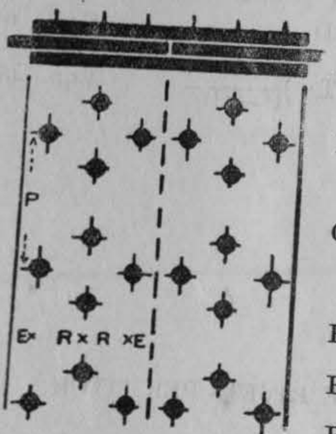
Rivet % $= \frac{100 \times A \times 3 \times 1 \cdot 875 \times S_1}{P \times T \times S}$. „ (3)

R_1 $= 2 \times D$ . . . „ (15)

E $= 1 \cdot 5 \times D$ . . . Reg. 61

BUTT STRAPS $= \cdot 625\ T$ . . . Eqn. (7)

FIG. 24. DOUBLE BUTT STRAP. FOUR RIVETS PER PITCH.



Max. Pitch $= 5 \cdot 52 \times T + 1 \cdot 625$ . . Eqn. (13)

Plate % $= \frac{100\ (P - D)}{P}$ . . . „ (2)

Rivet % $= \frac{100 \times A \times 4 \times 1 \cdot 875 \times S_1}{P \times T \times S}$. „ (3)

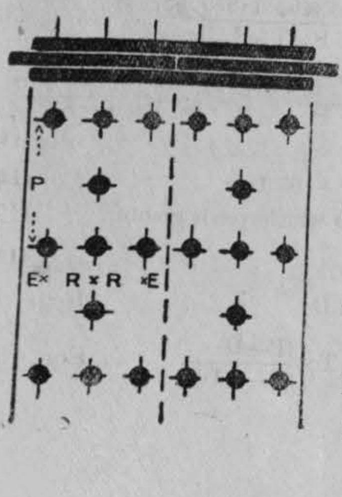
Combined % $= \frac{100\ (P - 2\ D)}{P} + \frac{100 \times A \times 1 \cdot 875 \times S_1}{P \times T \times S}$ „ (4)

R $= \cdot 2\ P + 1 \cdot 15\ D$ . . „ (16)

E $= 1 \cdot 5 \times D$ . . Reg. 61

BUTT STRAPS $= \cdot 625\ T$ . . Eqn. (7)

FIG. 25. DOUBLE BUTT STRAP. FOUR RIVETS PER PITCH.



Max. Pitch $= 5 \cdot 52 \times T + 1 \cdot 625$ . . Eqn. (13)

Plate % $= \frac{100\ (P - D)}{P}$ . . . „ (2)

Rivet % $= \frac{100 \times A \times 4 \times 1 \cdot 875 \times S_1}{P \times T \times S}$ „ (3)

Combined % $= \frac{100\ (P - 2\ D)}{P} + \frac{100 \times 1 \cdot 875 \times S \times A}{P \times T \times S}$ „ (4)

R $= \cdot 33\ P + \cdot 67\ D$ . . . „ (14)

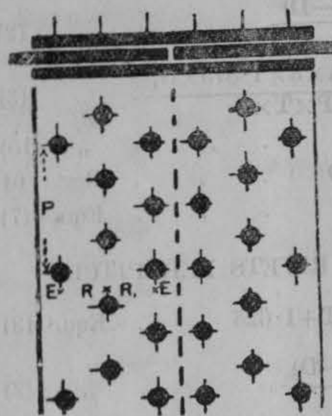
or 2 D whichever is greater „ (15)

E $= 1 \cdot 5 \times D$ . . . Reg. 61

BUTT STRAPS $= \cdot 625\ T$ . . . Eqn. (7)

TREBLE RIVETED JOINTS.

FIG. 26. DOUBLE BUTT STRAP. FIVE RIVETS PER PITCH.



Max. Pitch $=6\times T+1\cdot625$ . . Eqn. (13)

Plate % $=\frac{100\ (P—D)}{P}$ . . . . „ (2)

Rivet % $=\frac{100\times A\times 5\times 1\cdot 875\times S_1}{P\times T\times S}$. „ (3)

Combined % $=\frac{100\ (P—2\ D)}{P}+\frac{100\times A\times 1\cdot 875\times S_1}{P\times T\times S}$. „ (4)

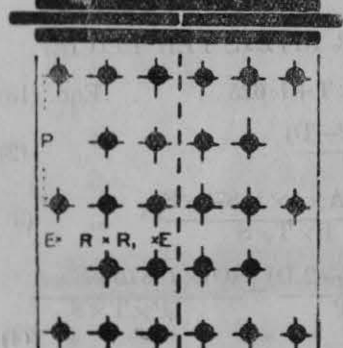
R $=\cdot 2\ P+1\cdot 15\ D$ . . . „ (16)

R_1 $=\cdot 165\ P+\cdot 67\ D$ . . „ (17)

E $=1\cdot 5\times D$ . . . . Reg. 61

BUTT STRAPS $=\cdot 625\ T\times\frac{(P—D)}{(P—2\ D)}$. Eqn. (8)

FIG. 27. DOUBLE BUTT STRAP. FIVE RIVETS PER PITCH.



Max. Pitch $=6\times T+1\cdot625$ . . Eqn. (13)

Plate % $=\frac{100\ (P—D)}{P}$ . . . „ (2)

Rivet % $=\frac{100\times A\times 5\times 1\cdot 875\times S_1}{P\times T\times S}$. „ (3)

Combined % $=\frac{100\ (P—2\ D)}{P}+\frac{100\times A\times 1\cdot 875\times S_1}{P\times T\times S}$. „ (4)

R $=\cdot 33\ P+\cdot 67\ D$ . . . „ (14)

or 2 D whichever is greater „ (15)

R_1 $=2\times D$ . . . . „ (15)

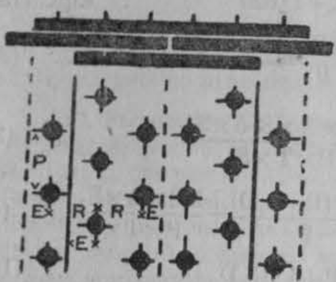
E $=1\cdot 5\times D$ . . . Reg. 61

BUTT STRAPS $=\cdot 625\ T\times\frac{(P—D)}{(P—2\ D)}$. Eqn. (8)

TREBLE RIVETED JOINTS.

FIG. 28. DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

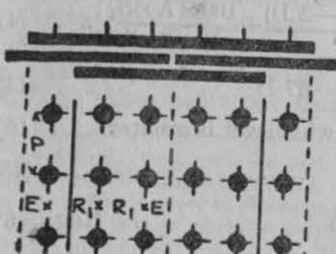
THREE RIVETS PER PITCH.



Max. Pitch	$=4\cdot63\times T+1\cdot625$	Eqn. (13)
Plate %	$=\frac{100\,(P-D)}{P}$	„ (2)
Rivet %	$=\frac{100\times A\times4\cdot75\times S_1}{P\times T\times S}$	„ (3)
R	$=\cdot33\,P+\cdot67\,D$	„ (14)
E	$=1\cdot5\times D$	Reg. 61
BUTT STRAP (WIDE).	$=\cdot75\,T$	Eqn. (9)
BUTT STRAP (NARROW).	$=\cdot625\,T$	„ (10)

FIG. 29. DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

THREE RIVETS PER PITCH.

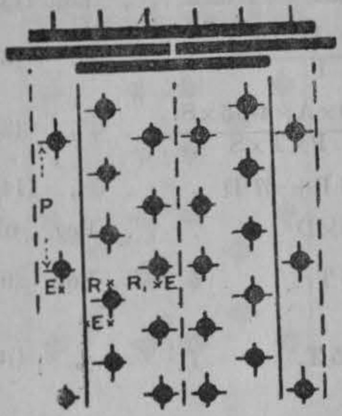


Max. Pitch	$=4\cdot63\times T+1\cdot625$	Eqn. (13)
Plate %	$=\frac{100\,(P-D)}{P}$	„ (2)
Rivet %	$=\frac{100\times A\times4\cdot75\times S_1}{P\times T\times S}$	„ (3)
R_1	$=2\times D$	„ (15)
E	$=1\cdot5\times D$	Reg. 61
BUTT STRAP (WIDE).	$=\cdot75\,T$	Eqn. (9)
BUTT STRAP (NARROW).	$=\cdot625\,T$	„ (10)

TREBLE RIVETED JOINTS.

FIG. 30. DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

FIVE RIVETS PER PITCH.



Max. Pitch $=6\times T+1\cdot625$ . . Eqn. (13)

Plate % $=\dfrac{100\,(P-D)}{P}$ . . „ (2)

Rivet % $=\dfrac{100\times A\times 8\cdot5\times S_1}{P\times T\times S}$. „ (3)

Combined % $=\dfrac{100\,(P-2\,D)}{P}+\dfrac{100\times A\times S_1}{P\times T\times S}$ „ (4)

R $=\cdot2\,P+1\cdot15\,D$ . . „ (16)

R_1 $=\cdot165\,P+\cdot67\,D$ . . „ (17)

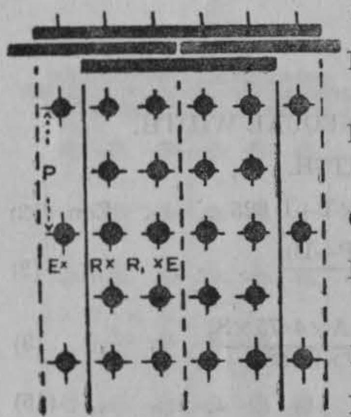
E $=1\cdot5\times D$ . . . Reg. 61

BUTT STRAP (WIDE). $=\cdot75\,T\times\dfrac{(P-D)}{(P-2\,D)}$ . . Eqn. (11)

BUTT STRAP (NARROW). $=\cdot625\,T\times\dfrac{(P-D)}{(P-2\,D)}$ . . „ (12)

FIG. 31. DOUBLE BUTT STRAPS OF UNEQUAL WIDTH.

FIVE RIVETS PER PITCH.



Max. Pitch $=6\times T+1\cdot625$ . . Eqn. (13)

Plate % $=\dfrac{100\,(P-D)}{P}$ . . „ (2)

Rivet % $=\dfrac{100\times A\times 8\cdot5\times S_1}{P\times T\times S}$. „ (3)

Combined % $=\dfrac{100\,(P-2\,D)}{P}+\dfrac{100\times A\times S_1}{P\times T\times S}$ „ (4)

R $=\cdot33\,P+\cdot67\,D$ . . „ (14)

or 2 D whichever is greater „ (15)

R_1 $=2\times D$ . . . . . „ (15)

E $=1\cdot5\times D$ . . . . Reg. 61

BUTT STRAP (WIDE). $=\cdot75\,T\times\dfrac{(P-D)}{(P-2\,D)}$ . . Eqn. (11)

BUTT STRAP (NARROW). $=\cdot625\,T\times\dfrac{(P-D)}{(P-2\,D)}$ „ (12)

PART II.

INSPECTION.

CHAPTER I.

Regulations for the Registration and Inspection of Boilers.

149. * The procedure to be followed in connection with applications for the registration of a boiler and with examinations of boilers under the Act shall be regulated in accordance with the provisions of this Chapter.

150. Preparation for Inspection.—(*a*) At every examination of a boiler for the grant or renewal of a certificate, the boiler shall be empty and thoroughly clean in all its parts. All doors of manholes, handholes and sightholes and cleaning plugs and all caps in the headers and mud drums of water-tube boilers, all fire bars, bearers, front plates, bridge plates, fire-bridges, brick arches, oil fuel burners and mechanical stoker fittings shall be removed. All valves and cocks comprising the boiler mountings shall be opened up and taken apart and the valves or cocks ground, when necessary, before the Inspector's visit.

(*b*) Provision shall, if required by the Inspector, be made for the removal of lagging or brick-work or other concealing part and for the drilling of plates, and for verifying the pressure gauge and safety valve dimensions and weights.

(*c*) All smoke tubes, exterior of water tubes, smoke boxes, and external flues shall be swept clean.

(*d*) † Provision shall be made for the effective disconnection of all steam and hot water communication with any other boiler under steam as prescribed in Part III of these Regulations. This shall be effected either by the removal of a length of pipe from the steam and feed piping or by the insertion of substantial blank flanges. Where blank flanges are employed, they shall be inserted between the flange of the chest and the pipe attached to it. No blank flange shall be inserted between a safety valve chest and the boiler.

151. Hydraulic tests.—Every new boiler shall be hydraulically tested in the presence of an Inspector or Inspecting Officer.

152. ‡ **Preparation for hydraulic tests.**—The chests of all mountings subject to steam pressure shall be in place and shut tight or blank flanged The safety valves shall either be jammed down or removed and the chest-opening blank flanged. The attachment for the Inspector's pressure gauge and the nipple for connecting the Inspector's test pump hose shall be in order. All doors shall be properly jointed and tightened up. The boiler shall be completely filled with water, care being taken to allow all air to escape and, if possible, a preliminary test not exceeding the working pressure of the boiler shall be taken before the Inspector's visit, to test the tightness of the joints.

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* NOTE.—In accordance with sections 7 and 8 of the Act Inspectors are required to measure and examine boilers for registration, to examine boilers for renewal certificates, to determine, subject to the approval of the Chief Inspector, the pressure at which they may be allowed to work, to grant certificates therefor and generally to convey to the owners such orders as the Chief Inspector may issue.

† NOTE.—It is recommended that blow-down water pipes should be separate for each boiler and not connected to one common pipe.

‡ NOTE.—The Inspector's requirements regarding the removal of lagging or brick-work for future tests should be entered in the certificate for the boiler.

When a boiler is hydraulically tested for the first time, it shall be entirely cleared of lagging or brickwork ; at subsequent tests the lagging or brickwork, or portions thereof, shall be removed if required by the Inspector.

153.—Procedure of hydraulic test.—(*a*) Subject to the provisions of sub-regulation (*e*) of regulation 155 every new boiler shall be hydraulically tested in the presence of an Inspector to not less than twice the approved working pressure, when such working pressure does not exceed 100 lbs. per square inch ; when the approved working pressure is above 100 lbs. per square inch, the hydraulic test pressure shall be $1\frac{1}{2}$ times the working pressure *plus* 50 lbs. per square inch.

(*b*) The boiler shall satisfactorily withstand such pressure without appreciable leakage or undue deflection or distortion of its parts for at least ten consecutive minutes. If the test is not satisfactory, the working pressure allowable by calculation shall be suitably reduced, unless the owner desires to make such alterations as will enable the boiler to withstand satisfactorily the hydraulic test ; in which case the boiler shall again be examined, after the alterations have been made, the pressure recalculated, if necessary, and the boiler tested to the satisfaction of the Inspector.

(*c*)* At the 1st hydraulic test of a boiler prior to the issue of an original certificate deflection measurements shall be made before, during and after test of each furnace length, fire-box and flat end or other plates.

(*d*) After the application of the hydraulic test the Inspector shall carefully examine the boiler inside and outside and satisfy himself that it has satisfactorily withstood the test.

(*e*) In any case in which the safe working pressure to be allowed for a boiler cannot, owing to peculiar construction of any of its parts, be determined by calculation in the ordinary way, the Inspector shall, under the direction of the Chief Inspector, subject the boiler to hydraulic test for the purpose of determining the fitness of such parts. The amount of the test pressure to be applied in such a case shall not exceed the test pressure prescribed for the least working pressure found by calculation for other parts of the boiler or the intended working pressure, whichever is less. Should any part of the boiler show undue deflection or indication of permanent set during the progress of the test, the pressure shall be released immediately such indications are observed. The working pressure for the part shall be 40 per cent. of the test pressure applied when the point of permanent set was reached. This procedure shall apply to any boiler at any test.

(*f*) Hydraulic tests of boilers at subsequent examinations shall, except when the Inspector expressly requires otherwise, be made after the inspection. The test pressure to be applied to boilers at such subsequent examinations shall be from one and a quarter to one and a half times the working pressure of the boiler.

(*g*) When the internal construction or size of a boiler does not permit of the Inspector getting inside it or of examining closely all its parts, he shall see it tested by hydraulic pressure to one and a half times the working pressure at each inspection for the grant or renewal of a certificate.

(*h*) Water tube, locomotive type and all tubular boilers shall be hydraulically tested at each inspection for the grant or renewal of a certificate, unless such test is waived under the orders of the Chief Inspector.

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*NOTE.—These deflection measurements should be entered in the Memorandum of Inspection Book before its submission to the Chief Inspector

(*i*) The Inspector may, if he considers it necessary, apply a hydraulic test to any boiler at any inspection.

(*j*) Except in the case of small, portable and vehicular boilers which do not require re-erection or building in brickwork, the hydraulic test of all boilers shall be conducted only after the erection of the boiler *in situ*, and all boilers shall after re-erection in a position different from that in which they were last examined be hydraulically tested. A hydraulic test shall also be taken before granting an increased pressure certificate and after repairing a boiler, unless the Chief Inspector authorizes the Inspector to waive such test.

(*k*) When carrying out hydraulic tests, Inspectors shall use pressure gauges supplied by the Chief Inspector.

154. *Steam tests.—(*a*) Every newly registered boiler and every other boiler of which the working pressure has been altered shall, before the issue of an original or renewal certificate for such boiler, be tested under steam to the satisfaction of the Inspector.

(*b*) At the time of test the safety valves shall be left free and capable of being adjusted to the approved working pressure.

(*c*) After adjustment of the valves to the correct blowing pressure the boiler shall be tried under full steam and firing for at least ten minutes with the feed water shut off and the stop valve closed, during which time the Inspector shall note the accumulation of pressure and other details of the test as well as the loading and adjustment of the safety valves.

(*d*) On completion of the safety valve test the Inspector shall satisfy himself that the water gauges are in working order and that the feed apparatus is capable of supplying the boiler with sufficient water. Where the Local Government does not require a person-in-charge of a boiler to hold a certificate of competency, the Inspector may when he thinks fit satisfy himself by questioning or by practical test whether the person-in-charge of the boiler understands the use and purpose of the water gauges, the pressure gauge, the safety valves, the feed water-supply and blow-down.

(*e*) When witnessing safety valve tests, Inspectors shall use the standard pressure gauges supplied by the Chief Inspector unless the boiler pressure gauge has, since the time of inspection, been tested and found correct with an authorized testing machine.

(*f*) No steam gauge shall be used without a syphon filled with water between it and the boiler.

(*g*) When the accumulation of pressure at a steam test exceeds ten per cent. of the maximum working pressure, the area of the safety valves shall be considered insufficient, and a certificate shall be refused until the safety valve area is increased.

(*h*) An Inspector may, when visiting a factory for any purpose, verify the correctness of the safety valves and pressure gauge of any boiler under steam by comparison with his standard pressure gauge.

*NOTE.—A steam test is primarily intended for the purpose of ascertaining by actual test whether the safety valves are sufficient to relieve the boiler effectively of excess steam and whether they operate at the time when the maximum working pressure is reached. Inspectors should alwayssend to the owner due notice of the date fixed for the steam test.

On completion of the test the Inspector should enter all details in the Memorandum of Inspection Book.

155. Procedure for registration.—(*a*) On receipt of an application for registration under section 7 (1) of the Act, the Inspector shall, when the boiler has been properly prepared for examination, proceed to measure in complete detail all its parts, ascertain the working pressure allowed by the Regulations by making a series of calculations of the strength of the various parts such calculations being based on his measurement and if he is satisfied with the correctness of the maker's certificate, on the dimensions and other particulars relating to the material and construction as stated therein [*vide* section 14 (1) (*c*) of the Act and regulation 4]. In making his calculations he shall, after examination of the material, take due account of the workmanship and details of the construction of each part. In his examination the Inspector may, if he deems necessary, bore the plates or other parts to ascertain their thickness and in making his calculations he shall be guided by the requirements of Part I of these Regulations.

(*b*) If no formulæ or co-efficient applicable to any part is contained in Part I, Chapter III, of the Regulations, the Chief Inspector shall in his discretion determine the fitness of such part.

(*c*) The strength of the weakest part so calculated or determined, subject to any discretionary power exercised by the Chief Inspector, shall determine the permissible working pressure of the boiler. After inspecting the boiler and ascertaining by the prescribed calculations the maximum pressure at which the boiler may be worked, the Inspector shall hydraulically test and steam-test it in accordance with the requirements of regulations 153 and 154 and may issue a provisional order under section 9 of the Act in Form V.

(*d*) The Inspector shall enter the above particulars and dimensions of the boiler and calculations of strength of the various parts, together with details of the hydraulic and of the steam tests, in a " Memorandum of Inspection " Book (*vide* regulation 160) which, together with all the maker's papers for the boiler, shall be submitted to the Chief Inspector with the Inspector's report under sub-section (3) of section 7 of the Act in Form VI.

(*e*) Where a certificate in Form II and a memorandum of inspection book in Form I are furnished by an Inspecting Authority in accordance with sub-regulation (*c*) of regulation 4, the Inspector shall, on receipt of an application for registration under section 7 (1) of the Act, proceed to make such examination and measurement of the boiler as will satisfy him that the boiler is the one certified by the Inspecting Authority and that it has sustained no damage in transit, for which purpose he may, if he considers it necessary, subject the boiler to hydraulic test in accordance with regulation 153.

The Inspector shall, if he is satisfied with the condition of the boiler, accept the particulars and approved working pressure entered in Form I by the Inspecting Authority as if they had been ascertained and entered by himself and shall issue a provisional order to enable the boiler to be worked.

He shall make such entries in respect of his examination of the boiler in the memorandum of inspection book as may be required and shall submit the book and Inspecting Authority's certificate and drawing of the boiler with his report to the Chief Inspector as prescribed under sub-regulation (*d*).

156. *Engraving of registry number.—(*a*) The registry number of each boiler together with the letters B. R. shall, within a period of one month after the registration thereof, be cut in the front plate thereof in such position as shall be pointed out by the Inspector.

The distinguishing letters shall be engraved above a number and separated therefrom by a horizontal line two and a half inches in length. The letters and figures shall be one inch in height and of suitable breadth, provided that in the case of small boilers the letters and figures of the device may, in the discretion of the Chief Inspector, be reduced to 3/8″ in height. The whole shall be enclosed in a rectangle, the upper and lower sides of which shall be three inches apart and one quarter inch clear of the top of the letters and the bottom of the figures respectively as indicated below :—

B. R.
1234

The side lines shall be an equal distance clear from the figures. The engraving shall not be less than 1/64th inch in depth.

(*b*) The engraving shall be complete and ready for verification within thirty days of the first inspection of the boiler.

(*c*) Boilers having registry devices differing from those prescribed herein shall, on these regulations coming into force, have such devices obliterated, altered or cut anew in conformity with those prescribed above. The original numbers of such boilers shall be retained in the new device. A number once allotted to a boiler shall not be used again for another boiler.

157. Measurement of heating surface.—(*a*) For the purpose of regulating the area of the safety valves and the amount of registration and inspection fees the " heating surface " of a boiler shall be the total surface of all plates and tubes exposed to heat on one side and in contact with water on the other, measured on the water side or the fire side, whichever is larger.

(*b*) For Lancashire and Cornish boilers the total heating surface shall include the wetted surface of the furnaces between the end plates, the fire surface of cross tubes where fitted, and the part of the external shell below the side flue covers. In estimating the areas furnaces shall be considered as plain cylinders ; the area of their wetted surface shall be taken as their mean external circumference × the length of the boiler between end plates. For the shell the width of that part of the circumference below the flue covers shall be taken as = 2 D, and this width × the length between end plates shall be taken as the area of shell heating surface. The part of the surface of the back end plate exposed to heat shall be omitted from the calculation.

Example.—The formula for the total heating surface of a Lancashire boiler having plain furnaces without cross tubes is as follows :—

H. S. in square feet $= 2L\ (3 \cdot 14d + D)$. L is the length of the boiler between end plates in feet, d is the mean external diameter of the furnaces in feet and D is the internal diameter of the largest belt of shell in feet.

*NOTE.—Engraving slips for tracing the devices in the boiler will be supplied by the Chief Inspector ; the slip should be pasted on the part of the boiler pointed out by the Inspector.

(c) For steam and water drums of water tube boilers the heating surface of the drum shall be taken as half the external mean circumference multiplied by the clear length of drum between the outer brick walls or centres of cross boxes, as the case may be. The heating surface of the tubes shall be taken as the external surface of the inclined tubes between tube plates or headers. The heating surface of the headers shall be omitted from the calculation.

(d) For marine boilers of the fire-tube type the heating surface shall include the wetted surface of the furnaces between the tube plates (considered in the same way as for Lancashire boilers), the wetted surface of the combustion chambers (less the area of the tube holes) and the wetted surface of the tubes between tube plates. The parts of the front tube plate exposed to heat shall be omitted from the calculation.

(e) For locomotive type boilers the heating surface shall include the wetted surface of the fire-box above the foundation ring (less the area of the tubes and the fire-hole and ring) and the wetted surface of the tubes between tube plates. The smoke box tube plate shall be omitted from the calculation.

(f) For vertical boilers of ordinary type the heating surface shall include the wetted surface of the fire-box above the foundation ring (less the area of fire-hole and ring and tube holes, if any) and the surface of any cross or other tubes and uptake below the lowest water level shown in the gauge glass.

(g) For any other heating surface not provided for in the foregoing instructions the same general procedure shall be observed.

(h) No deduction shall be made for stays, etc., in calculating the heating surface.

158. Boiler rating.—The boiler rating shall be the number of square feet (to the nearest whole figure) in the heating surface of the boiler as determined under regulation 157.

159. Registration Fee.—The fee required to accompany an application under sub-section (1) of section 7 of the Act shall be :—

	Rs.
For Boiler Rating not exceeding 100	40
For Boiler Rating exceeding 100 but not exceeding 300 .	50
For Boiler Rating exceeding 300 but not exceeding 500 .	60
For Boiler Rating exceeding 500 but not exceeding 700 .	70
For Boiler Rating exceeding 700 but not exceeding 900 .	80
For Boiler Rating exceeding 900 but not exceeding 1,100 .	90
For Boiler Rating exceeding 1,100	100

Provided that the Chief Inspector may direct that no fee shall be payable in respect of a fresh application made in pursuance of sub-section (2) of section 14 of the Act.

160. *Memorandum of Inspection Book.—A Memorandum of Inspection Book shall be prepared for each boiler in Form I. In this book the Inspector shall enter in ink all particulars and dimensions of the boiler with the calculations for the various parts in detail, particulars of hydraulic test and steam test and his inspection notes. At subsequent inspections Inspectors shall enter the dates of the inspections, hydraulic tests and steam tests, when such are made with their notes thereon.

161. †Registration Book.—A registration book containing all the particulars required for registration shall be maintained in the office of the Chief Inspector in Form I and any orders passed by him regarding the boiler shall be entered in the registration book under his initials.

161-A. Transfer of Memorandum of Inspection Book and Registration Book.—On a boiler passing from one Province to another, the Memorandum of Inspection Book and the Registration Book shall, on the request of the Chief Inspector of the Province to which the boiler has been transferred, be forwarded to that officer who shall take over their custody and maintain them as hereinbefore prescribed.

162 ‡Grant of certificate.—A certificate for the use of a boiler shall be granted in Form VI. In the certificate shall be entered the maximum pressure at which the boiler shall be worked, the load to be placed on the safety valves or the thickness of washers or ferrules required as safeguard against overloading, the date and pressure of the last hydraulic test of the boiler and, when applicable, of the main steam pipes prescribed.

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*NOTE.—Inspectors should also enter in the Memorandum of Inspection Book the general condition of the boiler and of repairs, to what extent boilers have been cleared of brickwork etc., a report of all casual visits, visits for inspection of repairs, for inspection of main steam pipes, and reports on accidents, etc. ; in this way the Memorandum of Inspection Book will provide a useful record of the boiler's history for the information and guidance of Inspectors at subsequent inspections.

The Memorandum of Inspection Book should always be kept clean and up-to-date.

On its submission to the Chief Inspector the Chief Inspector will, in the case of newly registered boilers, check all particulars and calculations, and approve of the working pressure that is to be permitted. In the case of old boilers, the Chief Inspector will examine the Inspector's notes of inspection and proposals made for repairs or reduction of pressure. A pressure once approved for the boiler should not be altered without the written authority of the Chief Inspector.

Inspection Books, except when actually required by the Inspector, should be filed in the office of the Chief Inspector.

†NOTE.—The Chief Inspector should also copy into the Registration Book the notes of subsequent inspections entered in the Memorandum of Inspection Book.

‡NOTE.—It is desirable that the Inspector should also enter in the ' remarks ' column of the certificate his requirements, if any, with regard to the hydraulic test, removal of lagging, brickwork, or other concealing parts for the next inspection, and his requirements regarding the repair or renewal of any part that may be considered fit only for the period of the certificate.

The Inspector's remarks should be as brief as possible.

163. *Procedure at subsequent inspections.—(*a*) At subsequent inspections of a boiler, the Inspector shall gauge and record the circularity of furnaces of boilers having cylindrical furnaces. In Adamson type furnaces he shall take a vertical and a horizontal gauging of at least the three first furnace rings and record the result in the Memorandum of Inspection Book. He shall sound gusset stay rivets to detect slack or broken rivets and shall examine gusset angles for fracture. He shall examine the waterside of the end plates around the shell lines, furnace flanges, and at the toes of gusset, stays, and the bends of furnace flanges, and shall test screw stays and smoke tubes. He shall test the fit of all internally fitted manhole and other doors. He shall examine all mountings internally and externally. When any part is wasted and he is doubtful of its fitness for the pressure, he shall cause one or more small holes to be bored and from them ascertain the average thickness of the parts from which he can satisfy himself by calculation in accordance with the formula applicable to the part. Such gaugings and calculations he shall enter in the Memorandum of Inspection Book.

(*b*) In making calculations for a wasted part of a boiler shell, *e.g.*, along the line of seating blocks of a Lancashire boiler, the Inspector shall use the ordinary shell pressure formula† without J, the percentage strength of joint.

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*NOTE.—(Against the words " the bends of furnace flanges ".) Deep grooving in the bends of the flanged-out furnace mouths of end plates is a common defect when the water is bad, and is difficult to detect.

With regard to the pitting and wasting of shell plates, the Inspector should bear in mind that shell plates may become reduced in thickness to an appreciable extent and still be stronger than longitudinal seams.

To make a thorough inspection of a boiler the Inspector should, whenever the size permits, go inside it and make a thorough inspection of all its internal parts. Before doing so, he should of course satisfy himself that proper provision has been made for disconnecting the boiler from any other boiler under steam. Should he find that proper provision for disconnection has not been made or that the boiler has not been properly cleaned or scaled, or that it is unreasonably hot, he should decline to proceed with the inspection and should report the facts to the Chief Inspector for orders. When a boiler is of such a size or its construction is such that the Inspector cannot go inside it, there should be sufficient sightholes or handholes provided to enable him to see the principal internal parts ; if any important part of a boiler is so constructed that the Inspector cannot examine it, he should report the facts to the Chief Inspector for orders.

Particular attention should be paid to the external parts of boilers in the way of seating blocks, especially when the situation is damp. Saddle tanks and engine fittings of locomotive type boilers should be removed to facilitate the inspection of the parts underneath at the first inspection, and at any reasonable period afterwards if the Inspector cannot otherwise satisfy himself as to the condition of these parts.

If the Inspector decides that a boiler in one or more of its parts is no longer fit for the pressure approved for it, he must without delay report his proposals for reducing the pressure to the Chief Inspector and at the same time submit his calculations for the wasted parts for check and approval of pressure.

†NOTE.—The formula for wasted plate may be as follows :—

$$W.P. = \frac{2t' \times S}{D \times F}$$

t' = thickness of wasted plate, where thinnest,

S = minimum tensile strength of material of shell in lb. per sq. in.,

D = internal diameter of shell in inches,

F = factor of safety, which shall not be less than 4.

164. *Repairs to boilers.—(*a*) Repairs to boiler shells shall be effected either by patching or by removing strip of worn or damaged plate and inserting the new strip with covering straps over the longitudinal butt ends, the strength of the riveted joints to be not less than that of the longitudinal joints of the shell.

(*b*) Patches for fire-exposed plates shall be fitted metal to metal without joint of any description. The affected part shall be cut out, leaving the corners of the hole well-rounded. Patches shall be secured, wherever possible, by properly spaced rivets with a width of plate at least equal to the diameter of rivet between the edge of the rivet hole and the edge of the plate. Where riveting is impracticable, the plate shall be secured by well fitting countersunk headed screw pins.

(*c*) The thickness of a patch plate shall not be less than the original thickness of the plate which it is used to patch.

(*d*) Stays cut out with an affected part of a plate shall be renewed and shall be fitted through the patch.

(*e*) Bulged or distorted furnaces of circular section may, if the bulge or distortion is not too great, be heated and pressed back to shape.

(*f*) Circular furnaces of horizontal boilers that have become distorted under ordinary working conditions to a greater extent than the thickness of the furnace plate, *i.e.*, when the difference between two cross gaugings exceeds the thickness of the plate, may be strengthened by fitting anti-collapse rings round the furnace at the middle of the length of the furnace.

(*g*) Anti-collapse rings shall be of substantial section either of single or double angles bolted back to back with screw stays not less than 7/8th inch in diameter and about 7 inches in pitch passed through flat of angle and screwed into the furnace, the ends being either rounded or riveted over on the fire side and fitted with nuts at the other. The stay bolts shall be fitted with ferrules not less than 1 inch in depth between furnace and angle ring.

(*h*) Welding shall not be accepted for the repair of any part of a boiler for which welding is forbidden for a new boiler under these regulations. Boiler shells shall not be repaired by welding beyond the filling up of a small isolated corroded or pitted part or the making up of wasted edges of openings.

Note.—Cracks or grooving in dished or flat end plates of cylindrical shells or in the bends of furnace flanges in a circumferential direction may be filled up by welding to render them steam-tight, but such welding shall be reinforced by patch or other suitable means.

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*NOTE.—Extensive repairs such as the renewal of furnaces, and plates, parts of shell, fire-boxes, girders, etc., should be supervised, so far as his other duties permit by the Inspector; when the fireboxes and smoke tubes of locomotive tube boilers are withdrawn, the opportunity should be taken to inspect the internal parts which are otherwise inaccessible to close inspection.

(*i*) Wasted parts of circular furnaces and fire-boxes and fire exposed flat plates as in rectangular fire-boxes and combustion chambers may be cut out and be replaced by new pieces welded in or they may be built up by welding. Longitudinal cracks in circular furnaces and fire-boxes and cracks in rectangular fire-boxes and combustion chambers may be welded.

(*j*) Where a part of a stayed flat plate is renewed, the stays affected shall also be renewed and be screwed through the new part as in the original. No stay shall be welded.

(*k*) For the purposes of these regulations renewed parts shall be deemed to be parts of a new boiler intended for use at the pressure at which the boiler under renewal is used.

165. Submission of plans of boilers.—(*a*) In the case of land boilers made in India or outside India for use in British India the Chief Inspector may, on receipt of a Treasury acknowledgment of the prescribed fee, receive for examination in advance the plans and particulars of materials, design and construction of boilers so as to avoid questions arising at the examination of the finished boilers.

(*b*) *The fee required under sub-regulation (*a*) shall be half the fee which would be required to accompany an application for the registration of the boiler (*vide* regulation 159).

(*c*) The Chief Inspector shall, after examination of the plans and particulars, intimate to the proposers whether he is satisfied with the design and fitness of the parts for the intended pressure and, if not, what modification is necessary therein. When plans and particulars of boilers have been approved, the Inspector in making his examination shall see that the designs as approved have been carefully followed out and that the material corresponds with the approved particulars.

(*d*) The above procedure shall be followed in the case of extensive repairs or alterations to boilers, but no fee shall be leviable for the examination of such plans and particulars.

CHAPTER II.

Steam Pipes.

166. Inspection of steam pipes.—(*a*) Steam pipes shall be inspected and hydraulically tested before erection in place, the test pressure to be that prescribed in the Standard Conditions for steam pipes. A certificate from an Inspecting Authority or a recognised maker stating that this has been done may be accepted. If the Inspector is satisfied with the test, the pipes may be erected in position ; at the steam test of the boiler he shall examine them under steam pressure. No separate certificate for the steam pipes shall be issued, nor shall a separate fee be charged for their inspection.

†(*b*) At subsequent inspections of the boiler or at any other time, the Inspector may make an external inspection of the steam pipes and for this purpose may require a part of the lagging at the flanges to be removed, and

*NOTE.—It will usually be sufficient if a part of the lagging at the flanges, as pointed out by the Inspector, is removed.

†See note on regulation 165 (*b*).

the pipe made bare. If as a result of this inspection the Inspector is of opinion that the pipes or any portions of them are in an unsatisfactory condition he shall report the matter to the Chief Inspector, who may require the whole of the lagging to be removed and may require any pipe or pipes to be hydraulically tested. The test pressure at such hydraulic test shall be not less than twice the working pressure of the boiler.

(*c*) The date and hydraulic pressure to which steam pipes were subjected shall be entered in the certificate for the boiler and such entries shall be continued from time to time in the renewal certificates for the boiler.

(*d*) Steam pipes shall be fitted with suitable means of drainage. Pockets or low-lying bends, in which condensed steam is likely to collect, shall be prohibited. Efficient means for draining steam pipes shall be provided in every case. All drain cocks or valves shall be accessible and be so placed as to render it practicable to drain the water from any part of the steam pipes or chests connected with them. Drain pipes shall be fitted to drain cocks or valves when the latter are in such a position that the water or steam discharge from them is likely to cause personal injury.

(*e*) Suitable provisions shall be made for expansion either by means of large bends or, in the case of long lengths of straight pipes, by expansion joints. The expansion joints of socket type shall be so fitted that the end of the pipe cannot be forced out by the action of the steam pressure or movement of the pipe.

167. Material.—Notwithstanding anything contained in regulations 142 to 148, the Chief Inspector may permit the use of cast iron steam pipes in exceptional circumstances as a temporary measure only for such period and subject to such conditions as he may direct.

168. Submission of plans of steam pipes.—Plans of steam pipes shall be submitted to the Chief Inspector before construction or at the time of registration of the boiler for his decision whether the pipes and their arrangement comply with the regulations.

PART III.

Safety of persons inside boilers.

169. Safety of persons working inside boilers.—(*a*) No person shall be compelled, or allowed, by the owner or person in charge, to go inside a steam boiler for any purpose whatsoever unless the boiler is effectively disconnected in the manner hereinafter prescribed from any steam or hot water communication with any other boiler.

*(*b*) Effective disconnection shall be made either by the removal of the boilers stop valve or of a length of piping from all steam and hot water connections with any other boiler, vessel or pipe containing steam or hot water or

*NOTE.—The shutting of a stop valve, stop cock or automatic isolating valve alone should not be deemed to be effective disconnection, since fatal accidents have occurred through such valves and cocks being inadvertently opened whilst men were inside the boiler ; and automatic devices, although desirable in other respects, cannot always be depended upon.

by the insertion of substantial blank flanges between the boiler stop valves and piping. The shutting of a stop valve, stop cock or automatic isolating valve alone shall not be deemed to constitute compliance with this regulation.

(c) The owner of a boiler to which this regulation is applicable shall obtain the approval of the Chief Inspector in writing to the method of disconnection which he proposes to use and shall be responsible for ensuring that the method so approved is followed in practice.

170. Penalty.—Whoever contravenes the provisions of sub-regulation (a) of regulation 169 shall be punishable with fine which may extend to one hundred rupees.

FORM 1

(Regulations 160 and 161)



INDIAN BOILERS ACT, 1923

BOILER INSPECTION DEPARTMENT

BOILER

REGISTRY NUMBER

Memorandum of Inspection

OR

Registration Book

MISCELLANEOUS.

District.

Owner

Address of Factory

Nearest Railway Station,

Factory is miles by from station.

Work of Factory

Working season

BOILER REGISTERED at on

REGISTER BOOK No. PAGE

REGISTRY NUMBER Verified on

APPROVED WORKING PRESSURE lbs.

BOILER RATING INSPECTION FEE Rs.

REGISTRATION BOOK filed at on

Remarks on transfers, etc.

PROVISIONAL ORDER AND CERTIFICATE RECORD.

Fee.	Date of Payment.	Date of Inspection.	Certificate No. and date.	Period of Certificate.	Working Pressure.	Boiler Rating.	Remarks and Initials of Inspector.

PARTICULARS AND DIMENSIONS.

Type of boiler, Leading dimensions, ×

Maker Intended working pressure lbs.

Place and year of make Maker's number

Description of boiler

CYLINDRICAL SHELL.

		a Shell or Firebox casing crown.	*b* Barrel or Mud Drum.	*c* Steam and Water Drum or Dome.
	Names of parts			
	Number and material of each			
	Length between end plates			
	Length between end seams			
	Diameter inside largest belt			
	Thickness of plates			
	Number of belts of plating			
	First or top belt, inside or outside			
Lindal Seams.	Position (o'clock)			
	Kind, L., S. B., D. B., W.			
	Riveting, S., D., T., C., Z., H., M.			
	No. of rivets per pitch			
	Pitch of rivets			
	Diar. of holes, outer rows			
	Diar. of holes, inner rows			
	Distance between rows, outer			
	Distance between rows, inner			
	Distance rivet centre to edge			
	Outer butt strap, width × thickness			
	Inner butt strap, width × thickness			
Circumferential Seams.	No. of seams (end and inner)			
	Kind, L., S. B., D. B., W., F., F. & B.			
	Riveting, S., D., T., C., Z., H., M.			
	No. of rivets per pitch			
	Pitch of rivets			
	Diar. of holes			
	Distance between rows			
	Distance rivet centre to edge			

PARTICULARS AND DIMENSIONS—contd.

SHELL ENDPLATES AND LONGITUDINAL STAYS.

Parts and material hereunder,

Plates.

- Flat, dished, hemispherical (in pieces), not stayed, not flanged
- Diameter (outside), front, back, crown, Largest circle,
- Radius of curvature front, back, crown,
- Radius of corner of flange, shell, furnace, uptake,
- Plate thickness, front, back, crown, tube plate F., B.,
- Attacht. to shell, crown or front,
- Attacht. to shell, back end,
- Attacht. to uptake or furnace, crown or front,
- Attacht. furnace flue, back end,
- Shell angle, × × riveting, S., D., pitch, holes.
- Furnace or uptake riveting, pitch circle, do., do.,
- Heml. end, sectors, No., riveting, S. D., do., do.,
- Steam space doubling plate, front, back,
- Steam space stiffener or bulb, front, do.,

Stays.

- Gusset stays, No. F. E., top, bottom, B., E., top, bottom
- Longtl. stays, No. diar., threads, nutted,
- Longtl. stays, pitch, V., H., circle, washers,
- Diagl. stays,

FIREBOX CASING.

Parts and material hereunder,

Plates.

- Length over all, bottom, Width over all, bottom,
- Height, foundn. seam to inside of crown plate,
- Crown, arched or flat, riveted to or one piece with sides, diar.,
- Plate thickness, front, sides, saddle, crown,
- Radius of corner of flange, front, saddle, crown,
- Riveting, front to sides, S. D., pitch, holes, spacing,
- Riveting, saddle to sides, S. D., pitch, do., do.,
- Cross stays, No., diar., threads, nutted, riveted, pitch

PARTICULARS AND DIMENSIONS—contd.

RECTANGULAR FIREBOX, COMBUSTION CHAMBER, GIRDERS, SMOKE OR WATER TUBES AND SCREW STAYS.

Parts and material hereunder,

Firebox or Combustion Chamber.

Length inside, bottom, top, Width inside, bottom, top,

Height, foundn. seam or chbr. bottom to roof,—Radius of curve. chbr. bottom,—roof side,—

Roof, flat, curved, cambered, corrugated, stayed to shell or girders, type,

Plate thickness, firehole or chbr. back, sides, roof,

Do., bottom, tube plate, F., B., Roof and sides in one,

Attacht. to firebox casing at bottom,

Do. do. do. firehole,

Foundn. ring, section, riveting, pitch, holes,

Firehole, do., do., do., do.,

Do. opening, × distance of centre above foundn. seam.

Side seams, distance between, riveting, pitch, holes,

Girders.

Firegrate dimensions, type,

Type, section, No., lengthwise, crosswise, rest on,

Distance apart, Bolts, No., pitch, diar., threads, nutted, screwed into girder.

Slings, No., distance apart, × section × pins, diar.,

Do. attacht. to shell,

Tubes.

No plain, stay, length between tube plates, make,

Plain, diar. (out.), thickness, F. E., expd., bead. frld. S.E., expd. bead, or

Stay, do., do., F. E., do., do., nutted, S. E., do. nutted

Do., do., over threads, F.E., S.E., threads, nuts,

Pitch of plain tubes, V., H., D., C., Z., straight, curved. Lie,

Do. stay do., × × × marginal pitch,

Screw Stays.

Tube plate, No. of rows, V., H., pitch, V., H.,

F. hole or back, do., V., H., pitch, V., H.,

Sides, do., V., H., pitch, V., H.,

Roof, do., L. wise, C. wise, pitch, L., C.,

Bottom, do., L. wise, C. wise, pitch, L., C.,

Ordinary stays, diar., threads, nuts, riveted, bodies turned to in

Marginal, do., do., do., do., do., "

Roof, do., do., do., do., do., "

PARTICULARS AND DIMENSIONS—contd.

CIRCULAR FURNACE, CROWN AND UPTAKE.

Parts and material hereunder,

Horizontal and Vertical Furnaces.

No. of furnaces, Type,

No. of rings in each, Longtl., Seams,

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Length between centre.	R															
	L															
Inside diameter.	R															
	L															
Plate thickness.	R															
	L															
Position of cross tubes.	R															
	L															

Flanges, type, riveting, pitch, holes,

Caulking ring, × Radius of corner, Flange width,

Crosstubes, No. each furnace, longtl. seam, riveted, welded to Flue

Do., diar. (outside), top, bottom, thickness,

Attacht. to shell at bottom,

Do. do. do. do. firehole,

Foundn. ring, section, riveting, pitch, holes,

Firehole do., do., do.—, do., do.

Do. opening, × distance of centre above foundn. seam,

Screw stays, No. of rows, pitch, V., H. nearest row to foundn. seam,

Do. do., diar., threads, nuts, , riveted, bodies turned to in

Firegrate dimensions, type,

Crown.

Flat, dished, hemispherical, not stayed, not flanged, Diar. (outside),

Radius of curvature, corner of flange, furnace, uptake, Largest circle,

Plate thickness, crown, ogee ring, Boltstay pitch circle,

Attacht. to furnace or to uptake.

Uptake riveting, pitch circle, pitch, holes.

Uptake.

Cylindrical, tapered, flanged, Longtl. seam. Length between seam

Thickness, Diar. (outside), top, bottom, Liner not fitted.

PARTICULARS AND DIMENSIONS—contd.

WATER TUBES, HEADERS, BOXES AND SUPERHEATER.

Parts and material hereunder

Tubes.
- Main tubes, no., make,
- Diar. (outside), thickness. Length between headers or plates
- Pitch V, H., D., C., Z. Straight, curved, Lie,
- Ends expanded, beaded, belled to in. in
- Downtake tubes, no. diar. (outside) thickness, length (exposed).

Headers.
- Headers, no., section (outside), × thickness, solid, welded.
- Staggered or straight, Lie, no. tubes in each,
- Caps, round, oval, square, inside, outside, Bolts, diar., threads, nuts.

Boxes.
- Mudbox, Length, section (outside), × thickness, solid, welded.
- Crossboxes, no., do., × do., do. do.

Superheater.
- Tubes, no. diar. (outside), thickness, make,
- Straight, curved, Lie, Position,
- Ends expanded, beaded, belled to in. in
- Description of superheating system,

Firegrate dimensions, type.

MANHOLES, HAND AND SIGHT HOLES, DOORS AND STAND BLOCKS.

Parts and material hereunder

Manholes.		
No. and position		
Framed or plate flanged		
Boiler opening, length × width		
Frame opening, length × width		
Frame inside, outside, raised, pressed		
Frames solid, welded, cast		
Frame section on longtl. axis.		
Door, type and thickness		
Door, if inside, spigot clearance		
Bolts, no., diar. threads, nuts		
Bolts, pitch circle		
Compensation ring, width × thickness		
Riveting, S. D. T., no. rivets, diar. holes.		

PARTICULARS AND DIMENSIONS—concld.

MANHOLES, ETC.—*concld.*

Sight Holes.
- No. dimensions, position,
- Compensation rings fitted, section, ×
- Doors, type, bolts, diar., threads, spigot clearance
- Cleaning plugs, no., diar., position,

Blocks, etc.
- Height, diar. (outside), top, bottom, thickness,
- Standpipe below stop valve ?, height, diar. (outside) thickness
- Flanges

MOUNTINGS AND FITTINGS.

Valves, etc., Chests.	Number.	Diameter.	Type.	Material.	Bolted to
Safety . . .					
Do.					
M. Stop . . .					
A. do. . . .					
Feed . . .					
Blow Down . . .					
Scum . . .					
Injector . . .					

Miscellaneous Fittings.
- Water gauges, no., type, Test cocks, no.,
- Do. do., top of lower nut is inches above
- Test cocks, bottom cock is do.
- Pressure gauge, type, diar., ins. range, lbs.
- Do. do., maker, no., red line at lbs.
- Tester attachment, type, screw, position
- Hose, do., do., do., do.
- Fusible plug, type, position.
- Blow down elbow, material, waste pipe, separate, connected to
- Centre of feed inlet is inches above on right, left, side
- Feed apparatus

Additional fittings.

MAKERS' CERTIFICATES.

Boiler Maker.		Name,	
		Manufacture, hydraulic test to lbs., drawing no.	received
Inspecting-Authority.		Name,	
		Tests of material, construction, supervision, hydraulic test,	received
Steel Maker.	Plates.	Name,	
		Process,	received
	Bars.	Name,	
		Process.	received
	Rivets.	Name,	
		Process,	received
Rolling Mill.		Plates,	received
		Bars,	received
		Rivets,	received

TEST RESULTS.

Plates.	Shell, . . .	T.	to	tons.	E.	to	%	in		ins.
	Gusset stays . .	T.	to	tons.	E.	to	%	in		ins.
	Girders, . .	T.	to	tons.	E.	to	%	in		ins.
	End and side .	T.	to	tons.	E.	to	%	in		ins.
	Fire and Flanged .	T.	to	tons.	E.	to	%	in		ins.
	________	T.	to	tons.	E.	to	%	in		ins.
	________	T.	to	tons.	E.	to	%	in		ins.
Stays.	Bar, ...	T.	to	tons.	E.	to	%	in		ins.
	Screw, . .	T.	to	tons.	E.	to	%	in		ins.
Rivets.	Bars, . .	T.	to	tons.	E.	to	%	in		ins.
	Manufactured									
Bends.	Plates,									
	Bars,									
Branding.	Plates,									

Fac-simile of Maker's stamp. }

Position of Stamp.

CALCULATIONS

SHELL, BARREL, S. & W. DRUM, F. C. CROWN, DOME, M. DRUM.
RIVETED JOINTS.

Parts.	Joint Fig. No.	LONGITUDINAL.	Joint Fig. No.	CIRCUMFERENTIAL.
(*A*)		P......D......T......... N. C. S_1		P......D......T......... N. C. S_1
(*B*)				
(*C*)				
	Actual.	Rule.	Actual.	Rule.
Max. Pitch.				
Outer Rows.				
Inner Rows.				
Edges.				
Wide Strap.				
Narrow strap.				
Plate %	$\frac{100\,(P-D)}{P} =$	%	$\frac{100\,(P-D)}{P} =$	%
Rivet %	$\frac{100 \times A \times N \times C \times S_1}{P \times T \times S} =$	%	$\frac{100 \times A \times N \times C \times S}{P \times T \times S} =$	%
Combd. %	$\frac{100\,(P-2D)}{P} + \frac{100 \times A \times C \times S_1}{P \times T \times S}$	%		
Working Pressure.	t......S......J......C......D......W.P. $= \frac{(t-2) \times S \times J}{C \times D} =$ lbs.			

LEAST PRESSURE lbs.

CALCULATIONS—contd.

FLAT END PLATES AND GUSSET STAYS.

PLATE STIFFNESS.

	Dimensions.	Front.	Back.
Thicknesses.	t		
	t_1		
Diameter of Circles (D).	I—I		
	I—II		
	II—III		
	III		
	IV		
	IV—V		
	Over Furnaces		
	Below do		
	Manhole		

FRONT END.

$$W.P. = \frac{(t-1)^2}{D^2} = \text{lbs.}$$

Around Manhole.

$$W.P. = \frac{[(t-1)^2 + (t_1-1)^2]}{D^2} = \text{lbs.}$$

BACK END.

$$W.P. = \frac{(t-1)^2}{D^2} = \text{lbs.}$$

AREAS (A) SUPPORTED BY GUSSET STAYS.

	Dimensions.	Front.	Back.	Gussets.	FRONT END.	Areas.
Length of Lines.	Mid			I.	=	Sq. In.
	I			II.	=	"
	II			III.	=	"
	III			IV.	=	"
	IV			V.	=	"
	V or Mid				BACK END.	
Distance between Lines.	I—I			I.	=	"
	I—II			II.	=	"
	II—III			III.	=	"
	III—Apex.			IV.	=	"
	IV—Apex.			V.	=	"
	IV—V or Mid.					

PLATE MARGINS.

W. P............................

$$\frac{1}{2}\sqrt{\frac{110\,(t-1)^2}{W.P.}} = \text{Ins.} \quad \frac{1}{2} \times \sqrt{\frac{96\,(t-1)^2}{W.P.}} = \text{Ins.}$$

LEAST PRESSURE. lbs.

CALCULATIONS—contd.

FLAT END PLATES AND GUSSET STAYS.

GUSSET STAY PARTICULARS.

Gussets plate, thickness, tons, angles,——×——×——

	Gussets.		N_1	N_2	N_3	N_4	D_1	D_2	D_3	D_4	G	G_1	Toe Rivets.
Number and Diameter of Rivets and Sections of Stays.	I.	F.											
		B.											
	II.	F.											
		B.											
	III.	F.											
		B.											
	IV.	F.											
		B.											
	V.	F.											
		B.											

GUSSET STAY CALCULATIONS.

			I	II	III	IV	V
Co-efficients (C).	$N_1 \times A_1$	F.					
		B.					
	$N_2 \times A_2 \times 1{\cdot}75$ . .	F.					
		B.					
	$N_3 \times A_3 \times 1{\cdot}75$ . .	F.					
		B.					
	$N_4 \times A_4$	F.					
		B.					
	$(G—N_3 D_4)(t—2) \cdot 037$.	F.					
		B.					
	$(G_1—D_3)(t—2)\ 037$ . .	F.					
		B.					
Working Pressure.	$\frac{8500 \times C}{A}$ . . .	F.					
		B.					

LEAST PRESSURE lbs.

CALCULATIONS—contd.

LEAST PRESSURE lbs.

CALCULATIONS—contd.

SAFETY VALVES.

	A	B	C
No. valves each chest			
Type			
Diameter of valve			
Ditto neck			
Ditto outlet			

LEVER AND WEIGHT VALVES.

High Steam and Low Water Type.

		( )	( )
Weights.	B.		
	L.		
	V. . . .		
Distance.	B. to F. . . .		
	G. to F. . . .		
	V. to F. . . .		

Balanced Lever. ( )

$$\frac{[\text{W. P. }(A-a)-V]\ \text{V to F.},}{B} = \text{ in}$$

Unbalanced Lever. ( )

$$\frac{[\text{W.P. }(A-a)-V]\ \text{V to F}-(\text{G to F})\ L.,}{B} = \text{ ins.}$$

Small Valve. ( )

W.P. × a ( ) = lbs.

Ordinary Type.

Unbalanced Lever. ( )

$$\frac{[\text{W.P.} \times A-V]\ \text{V to F}-(\text{G to F})\ L}{B} = \text{ ins.}$$

DEAD WEIGHT VALVE. ( )

Weights. Plates

Casing

Valve.

W. P. × A. = lbs.

SPRING LOADED VALVE ( )

Range of compression inches. Load compression ins.

L (A × W. P.)

D.

$$\sqrt{\frac{3/L \times D}{C}} = T. = \text{ ins.}$$

$$W.P. = \frac{C \times T^3}{D \times A} = \text{ lbs.}$$

C.

T.

REQUISITE SAFETY VALVE AREA.

H. S.

$$H.S. \times \frac{C}{W.P.+15} = \text{ Sq. ins.}$$

W P.—

Total S. V. Area————

CALCULATIONS—concld.

HEATING SURFACE.

TOTAL HEATING SURFACE.

BOILER RATING

Calculations made by	Submitted on,		sq. ft.
Do. checked by	on		
Least pressure, that for			lbs.
Approved working pressure,			lbs.
Chief Inspector's remarks and signature			

HYDRAULIC TEST (REGISTRATION).

Inspector, Date of test Test pressure, lbs.

Duration of test, mins. Boiler pressure, gauge No. used at test,

Boiler pressure gauge compared with on found

Position of boiler at test,

Brickwork, , Lagging.

Condition of boiler under test,

Do. do. mountings under test,

RIGHT HAND.

Furnace Gaugings.	Ring .	Nos.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Before Test .	V															
		H															
	During Test .	V															
		H															
	After Test .	V															
		H															
	Bulging .	V															
		H															
	Permt. Set .	V															
		H															

LEFT HAND.

Furnace Gaugings.	Ring .	Nos.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Before Test .	V															
		H															
	During Test .	V															
		H															
	After Test .	V															
		H															
	Bulging .	V															
		H															
	Permt. Set .	V															
		H															

FRONT END. BACK END *Sketch position of gauge points.*

End Plate Gaugings.	Gauge Points .	A	B	C	D	A	B	C	D
	Before Test .								
	During Test .								
	After Test .								
	Bulging .								
	Permt. Set .								

STEAM TEST (REGISTRATION).

Inspector, Date of tests,

Approved working pressure, lbs. Test pressure, lbs.

Inspector's pressure gauge, Boiler pressure gauge, No.

Boiler connections, Condition of fire,

Fuel used, Draught,

Safety Valves lifted at, A. lbs. B lbs. C. lbs.

	Beginning.	5 mins.	10 mins.	15 mins.	Difference.
Timing of test					
Height of water in glass . .					
Pressure by Inspector's gauge .					
Do. Boiler do. . .					

Accumulation of pressure, 100 (——) = %

Do. safety valves efficiently relieve boiler ?

Condition of boilers under steam.

Do. of mountings under steam,

Loading of valves at blowing pressure A

Do. do. do. B

Do. do. do. C

Thickness or washers or ferrules

Feed pump or injector worked,

Water gauges tested,

Boiler attendant,

Limit of load on safety valves to be entered in certificate,

NOTES ON WORKING OF BOILER.

Boiler is used for,

Constant, intermittent or seasonal work,

Is boiler relieved by spare boiler ?

How long worked between cleanings ?

Most suitable time for inspection,

Pump available for hydraulically testing boiler ?

Feed water used, town, well, surface or jet condenser,

Nature of water,

Fuel used, Are printed instructions kept near boiler ?

Period between cleanings, approved by Inspector,

STEAM PIPES.

PLAN OF BOILERS AND MAIN STEAM PIPES.

PARTICULARS AND DIMENSIONS.

Situation,

Ry. Nos. of connected boilers.

Main steam pipes include,

Pipes, material, diameter (outside)

Do., thickness, ins., make,

Do., attachment of flanges,

Do., made by, installed in

Drainage,

Pipe covering,

Provision for disconnection from other boilers,

Mean steam,

Auxy. do.,

Feed delivery,

Blow down,

CALCULATIONS

W. P.

STEAM PIPES.

RECORD OF INSPECTIONS AND TESTS.

First inspection inside and outside by on

First hydraulic test (to lbs.) by on

Remarks.

INSPECTOR'S NOTES.

———

FORM II.

INSPECTING AUTHORITY'S CERTIFICATE

OF INSPECTION DURING CONSTRUCTION.

[REGULATION 4 (c).]

DESIGNATION OF INSPECTING AUTHORITY.

We hereby certify that the type, boiler; length, feet inches; diameter, feet, inches; working pressure, lbs. built by Messrs. at under Shop Number, was constructed under our supervision and inspected at various stages of construction by the Inspecting Officer and that the construction and workmanship were satisfactory and in accordance with the Standard Conditions for the design and construction of land boilers under the Indian Boilers Act, 1923.

The boiler is stamped on the front end plate with our stamp as shown hereunder :—

		Maker's Name.	
Works Number			Year of Make.
Tested to	lbs.	on	
W. P. Authority's Official Stamp.		lbs.	Inspecting Officer's or Inspecting

The boiler on completion was subjected to a water pressure test of lbs.; per square inch in the presence of the Inspecting Officer on 19 and satisfactorily withstood the test.

Samples of the plates, stay, angle and rivet, bars used in the construction of the boiler were tested in the presence of the Inspecting Officer and were found to comply with the tests prescribed in Part I, Chapter II, of the Regulations relating to Standard Conditions for the design and construction of land boilers under the Indian Boilers Act, 1923.

We have satisfied ourselves that the construction and dimensions of the boiler are as shown in the maker's drawing No. signed by us, and that the particulars entered in the maker's certificate of manufacture in Form III countersigned by us, are correct to the best of our knowledge and belief.

Signature of

Dated at *this* *day* *19* .

Inspecting Authority

FORM III.

Works Address.

CONSTRUCTOR'S CERTIFICATE OF MANUFACTURE AND TEST.

[REGULATION 4 (d).]

1 Description.

Type of boiler Length overall Diameter inside largest belt
Intended working pressure lbs. Shop number of boiler
Year of Manufacture Total heating surface sq. ft. Grate area
sq. ft.
Description of boiler.

2 Inspecting authority.

Boiler constructed under supervision of
Boiler hydraulically tested and internally inspected after test by

3 Construction and Workmanship.

Shell Seams.—The longitudinal seams are and have rows of rivets in inside strap and rows of rivets in outside strap. Rivet holes are inch diameter and number per pitch of inches.

Butt straps cut from plates and bent to required curve in and . The circumferential seams joining rings of shell are riveted.

Rivet holes are inch diameter and number per pitch of inches. The shell and seams are and riveted. Rivet holes are inch diameter and number per pitch of inches.

Details of seams as in Drawing No.

Furnace Seams.—The longitudinal seams are . The cross seams joining rings are of type riveted.

Workmanship.—All rivet holes in cylindrical shell and furnace flues were drilled in place after plates were bent; plates afterwards taken apart, burrs removed and rough edges of holes cleaned before riveting. Riveting wherever practicable done by machine. All fire-worked plates efficiently annealed after completion of operations. Welded parts of boiler are welding process

No part of boiler proper including doors, mouthpieces and stand blocks, is made of cast iron or malleable cast iron.

4 Particulars of Material used.

Boiler parts and fittings.	Material.	Smelter.	Maker.	Inspecting Officer.	REMARKS.
Plates					
Do.					
Rivet bars					
Stay					
Angle					
Bolts					
Tubes					
Girders					
Manhole frames . .					
Manhole doors . .					
Manhole Compn. ring .					
Sighthole doors . .					
Stand blocks . . .					
Stop Valve Chests . .					
Safety Valve Chests .					
Feed Valve Chests . .					
Blow Down . . .					
Blow Down elbow pipe .					
Water gauge mountings .					

NOTE.—Under "Material" enter against appropriate item :—"Steel, Siemens Martin, open hearth acid (or basic) process"; "Wrought Iron, Brand............"; "Cast Steel, Process..............." etc., etc., and under "Remarks" a brief explanation of process or manufacture where necessary, e.g., "Solid drawn" "Lap Welded"; "Solid pressed". Tested by makers.. .... lbs. per square inch, etc.

FORM III—*contd.*

THICKNESS OF PLATES, ETC., AND TENSILE TEST LIMITS.

5	Part of Boiler.	Thickness of plates in 32nd or Diameter in inches.	Tensile strength limits to tons.	Elongation limits to %	Gauge length ins.	Brand and number on plate.
Cylindrical Shell plates.	Shell. Butt Straps . . . Steam and water Drum . Barrel (Loco.) . . . Firebox Casing Crown (Loco.) Dome . . . . Mud drum					
Shell End Plates.	Front End . . . . Back End . . . . Shell Crown . . . Dome End . . . . Mud drum End . . . Saddle (Loco.) . . . Firebox casing sides (Loco.) . Doubling plate . . .					
Flanged and fire-exposed plates.	Furnace, Circular (plain). Furnace, Circular (plain). Furnace, Circular (corrugated). Firebox Crown. Firebox Side. Firebox Front. Firebox Tube. Uptake. Smokebox tube.					
Tubes.	Cross Tubes. Water Tubes. Smoke Tubes (plain). Smoke Tubes (stay). Superheater. Headers. Cross boxes. Mud boxes.					
Stays and Bolts.	Gusset Stay (plates). Longitudinal. Cross. Screw. Firebox Roof slings. Firebox Roof Pins. Girder Bolts. Shell Angle Bolts. Uptake Angle Bolts. Manhole Bolts. Sighthole Bolts.					
Miscellaneous.	Firebox Girders. End plate Stiffeners. Shell Angle. Furnace Angle. Uptake Angle. Gusset Angle. Manhole Compn. Ring. Manhole Frame. Manhole Cover. Sighthole Compn. Ring. Sighthole Doors. Stand Blocks.					

(6) Certified that the particulars entered herein in manuscript by us are correct and that the parts and fittings in sections 4 and 5, against the names of which entries are made, have been used in the construction and fittings of the boiler.

The particulars shown against the various parts used are in accordance with the makers' certificates in our possession.

The design of boiler in section and end view with principal parts fully dimensioned is that shown in Drawing No. . The boiler has been designed and constructed to comply with the Regulations under the Indian Boilers Act, 1923, for a working pressure of lbs. per square inch at our works above named and satisfactorily withstood a water test of lbs. per square inch on the day of 19 in the presence of our responsible representative whose signature is appended hereunder.

Designation of Maker.

Signature of Engineer who witnessed test.

Signature of Maker or Secretary of Firm.

Designation.

Dated at this day of 19 .

Signature of Inspecting Authority.

NOTE.—The drawing of the boiler and steel maker's certificate of manufacture and results of plate tests for tensile strength elongation and bending must accompany this certificate and if boiler has been built under the supervision of an Inspecting Authority their certificate in Form II must also be attached.

FORM IV.

STEEL MAKER'S CERTIFICATE OF MANUFACTURE AND RESULTS OF TESTS.

[REGULATION 4 (c).]

DESIGNATION OF ROLLING MILL.

We hereby certify that the material described below has been made by by the open hearth, acid basic, process and rolled by us and has been satisfactorily tested in the presence of your Inspecting Officer, our Test House Manager, in accordance with the Standard tests.

Date of tests 19 .

Signature or Initials,
Test House Manager.

Ordered by

Boiler Number Order Number date.

RESULTS OF TESTS.

Charge Number.	Number of plate.	Size of Plate.					Tensile breaking strength in tons per square inch.	Elongation in inches per cent.	Number of pieces.	Part of boiler.	Bend tests.
		Length.		Breadth.		Thickness in 32nds in.					
		Ft.	In.	Ft.	In.						

Counterfoil

No.

Name of person or firm to which provisional order is granted.

Description of boiler

Maker's No. of boiler

Pressure permitted

Date

No.

FORM V.

[REGULATION 155 (c).]

PROVISIONAL ORDER UNDER SECTION 9 OF THE INDIAN BOILERS ACT OF 1923.

are hereby permitted to use the Boiler (Registry No.)

made by

and bearing Maker's number at a maximum pressure of lbs.

per square inch pending the issue or refusal of a certificate within six months from the date hereof

after which period this order will become void.

Dated

Inspector of Boilers.

N.B.—This order must be produced on demand by any authorised person and surrendered to the Chief Inspector on receipt of orders.

FORM VI.

——————BOILER INSPECTION DEPARTMENT.

CERTIFICATE FOR USE OF A BOILER.

(Regulation 162.)

Registry Number of Boiler. Type of Boiler.

Boiler Rating. Place and year of manufacture

Name of Owner.

Situation of Boiler.

Repairs.

Remarks.

I hereby certify that the above described boiler is permitted by me/the Chief Inspector under the provisions of Section 7/8 of the Indian Boilers Act, No. V of 1923, to be worked at a maximum pressure of lbs. to the square inch for the period from

to

The loading of the safety valve is not to exceed

I further certify that the main steam pipe was tested hydraulically to a pressure of lbs. per square inch last on

Fee Rs. paid on

Dated at

This day of 19

Inspector.

Countersigned.

Chief Inspector.

See Reverse for " conditions ".

CONDITIONS.

(Reverse of Form VI.)

(1) No structural alteration, addition or renewal shall be made to the boiler otherwise than in accordance with Section 12 of the Act.

(2) Under the provisions of Section 8 of the Act this certificate shall cease to be in force :—

(*a*) on the expiry of the period for which it was granted ; or

(*b*) when any accident occurs to the boiler ; or

(*c*) when the boiler is moved, the boiler not being a vertical boiler the heating surface of which is less than two hundred square feet, or a portable or vehicular boiler ; or

(*d*) when any structural alteration, addition or renewal is made in or to the boiler ; or

(*e*) if the Chief Inspector in any particular case so directs when any structural alteration, addition or renewal is made in or to any steam pipe attached to the boiler ; or

(*f*) on the communication to the owner of the boiler of an order of the Chief Inspector or Inspector prohibiting its use on the ground that it or any steam pipe attached thereto is in a dangerous condition.

Under Section 10 of the Act a boiler may continue to be worked beyond the period of the certificate issued for it provided the owner has applied for a renewal of the certificate before the expiry date and none of the cases specified in clauses (*b*), (*c*), (*d*), (*e*) and (*f*) apply to the boiler.

(3) The boiler shall not be used at a pressure greater than the pressure entered in the certificate as the maximum pressure nor with the safety valve set to a pressure exceeding such maximum pressure.

(4) The boiler shall not be used otherwise than in a condition which the owner reasonably believes to be compatible with safe working.

N.B.—Details regarding this boiler are recorded in Registration Book No..........................of which a copy may be obtained on payment on application to the Chief Inspector.

C. M. KER,

Secretary, Central Boilers Board.

COLLECTOR OF SALT REVENUE, MADRAS.

NOTIFICATIONS.

Madras, the 28th September 1938.

DRAFT NOTIFICATION I.

In exercise of the powers conferred by clause (i) of section 3 of the Madras Salt Act, 1889 (Madras Act IV of 1889) and in modification of the previous notifications on the subject, the Collector of Salt Revenue, Madras, is pleased to define the limits of the undermentioned salt factories as follows:—

Serial No.	Name of the factory.	Where situated.		Limits
		Village.	Taluk, District and Province.	
1	Sumadi . .	52. Suvani .	Berhampur Taluk, Ganjam District, Orissa Province.	*North* : Suvani first bit, S. Nos. 489, 488, Revenue S. Nos. 709, 706, 700 to 703, 698, 671, 680, 676, 668, 669, 805 and No. 57 Sunnapuram. S. Nos. 821, 820, 811, 812, 810, 809, 808, 807, 805, 801 and 842. *East* : No. 56 Pati Sunnapuram S. Nos. 361, 362, 363, 364, 373 (1), 289, 234, 235 and 375 (14-*b*). *South* : That portion of the Sumadi factory lying within the limits of the Madras Province comprising Salt Survey numbers 661, 662, 667 and Southern portions of Salt S. Nos. 658, 663, 666 and 668. *West* : No. 31 Bellupada, S. Nos. 792, 798 to 800, No. 52. Suvani first bit S. Nos. 1041, 1042, 1046 (D), 1048, 1043, 1047, 1046 (*a*), 1049, 1102, 1103, 1101 (*b*), 1090, 1089, 1087, 1105, 1106, 1101(*a*), 1104, 1107, 1146 (*b*) and 1144.
	Do. .	28. Burjapadu. 29. Kesapur. 30. Idupuram & 31. Bellupada.	Ichapuram Taluk, Vizagapatam District, Madras Province.	*North* : That portion of the Sumadi factory lying within the limits of the Orissa Province with portions of its Salt S. Nos. 660, 658, 663, 666 and 668 immediately adjoining in the North. *East* : No. 56 Pati Sunnapuram S. No. 375 (14B), No. 28 Burjapadu S. No. 39. *South* : No. 28 Burjapadu, S. Nos. 39, 40, 352. No. 29 Kesapur, S. Nos. 906, 954, 959 to 964, 967 to 973, 827, 815 to 822, 974 to 976, 744, 977 to 979, 981, 931 and 712. *West* : No. 30 Idupuram S. Nos. 635 to 638, 643, 670. No. 31 Bellupada S. Nos. 508 509, 666, 674, 676, 678, 679, 680, 684 to 686, 709 to 714, 784, 788 to 791.
2	Pandraka .	Chinnapandraka, Narayanapuram Pedapuram and Pedapandraka.	Bandar Taluk, Kistna District.	*North* : S. Nos. 121, 120 and 107 to 111 of Pedapandraka village. S. Nos. 603, 602, 600, portion of 599, 598 and 614 of Chinnapandraka village. *East* : S. Nos. 615, 617 and 618 of Chinnapandraka village. *South* : Portion of old S. No. 619 of Chinnapandraka village and old S. Nos. 1 to 5, 188, 189,190 and 192 of the Pedapatnam village. *West* : Old S. Nos. 193 and 229 of Padapatnam village. Old S. Nos. 189 and 190 of Narayanapuram village and old S. Nos. 126 and 122 of Pedapandraka village.
3	Kanuparti .	Kanuparti .	Ongole Taluk, Guntur District.	*North* : Revenue Survey No. 1196—Unassessed waste. *East* : Buckingham canal in Revenue Survey No. 1193 and 1195—Unassessed waste. *South* : Departmental (Salt) S. Nos. 330, 328 and 299—Cultivable waste. S. Nos. 314, 382 and 301—Poramboke channels; and S. No. 208—Poramboke. *West* : Revenue S. Nos. 799 and 781—Donka Poramboke; 756—Unassessed waste, 1190 Donka; and 1189—Assessed waste.

Serial No.	Name of the factory.	Where situated.		Limits.
		Village.	Taluk, District and Province.	
4	Cuddalore .	Cuddalore O. T., and Pachayankuppam.	Cuddalore Taluk, South Arcot District.	*North* : Manjakuppam S. No. 2223. No. 2 Ward Block No. 42 old S. No. 77, Uppanar. *East* : Survey No. 2670 Uppanar old S. No. 77. No. 2 Ward Block No. 3 and S No. 11 Uppanar of Pachayankuppam limit. *South* : Survey No. 11 Uppanar of Pachayankuppam old survey also No. 11. *West* : Road from Sembadakuppam to Cuddalore, S. Nos. 13, 14 and 15 of Pachayankuppam and 1943 of Cuddalore O. T. Cocoanut tope Putta land S. Nos. 1939, 1938, 1937, 1936, 1945, 1949 to 1951 and 2150 to 2153 (Putta land). (Survey Nos. of Cuddalore O. T.).
5	Manambadi .	Porto Novo .	Chidambaram Taluk, South Arcot District.	*North* : S. Nos. 55/8, 56, 63, 65, 69 and 70 of Porto Novo village and S. Nos. 299, 300/1, 301, 303 and 304 of Agaram village. *East* : S. Nos. 77/1B Vellar Poramboke of Porto Novo village. *South* : S. No. 77 River Vellar of Porto Novo village. *West* : S. Nos. 71 and 72 of Porto Novo village.
6	Neidavasal .	81. Kilayur .	Shiyali Taluk, Tanjore District.	*North* : S. No. 130 of Kilayur village drainage channel running from East to West. S. No. 129/13 of Kilayur village drainage running from North to South S. No. 129/12 Dry land ; S. No. 129/11 Cart track ; S. No. 126 cart track. S. No. 146/1 drainage channel running from North to South. *East* : S. No. 415 sand area and sea beach of Kilayur village. *South* : S. No. 163 channel East to West ; S. No. 147/1 cart track ; S. No. 146/1 Channel running from North to South ; S. No. 132 Channel running from North to South ; S. No. 137 Channel running from East to West ; S. No. 124 Channel running from East to West ; S. No. 125/6 Salt peons' lines. (All Survey numbers of Kilayur village). *West* : S. No. 147/1 cart tract ; S. No. 146/1 channel running from North to South ; S. No. 142/5 wet lands ; S. No. 132 channel running from North to South ; S. No. 137 channel running from East to West ; S. No. 120 channel running from North to South ; S. No. 124 channel running from East to West ; S. No. 125/6 Salt Peons' lines ; S. No. 129/11 cart track ; S. No. 129/13 and Kilayur village drainage channel running from North to South.
7	Tranquebar .	Porayar . .	Mayavaram Taluk, Tanjore District.	*North* : Revenue Survey No. 434 and 435 (Channel Poramboke). *East* : Revenue Survey Nos. 529, 528, 512, 511 and 508 (Nandalar river Poramboke). *South* : Revenue Survey Nos. 424, 425, 426/4, 426/5, 426/6, 426/8 and 426/9 all Inam wet, owned by Sri Masilathaswami Temple. *West* : Revenue Survey Nos. 290 and 427 Channel Porambokes ; Revenue Survey No. 431—Path Poramboke (Salt approach road) and Revenue Survey No. 433 channel Poramboke.
8	Vedaranniyam	Agastyampalli	Tiruturaipundi Taluk, Tanjore District.	*North* : Southern portions of Survey Nos. 198, 197, 149, 148, 147, 139, 138, 123 and 122 of Agastyampalli Vattam and the Railway line from Agastyampalli Railway station to Point Calimere. *East* : A line starting from the South-Eastern corner of S. No. 199 of Agastyampalli Vattam and running Southward parallel to the sea till it meets a line drawn Eastwards from the culvert on the Point Calimere road and situated a furlong South of the Iron bridge on the road.

Serial No.	Name of the factory.	Where situated. Village.	Taluk, District and Province.	Limits.
				South : A line drawn from the meeting point of the two lines abovementioned Westward across the swamp North of the Kodiakadu reserve forest to the culvert on the Point Calimere road, situated a furlong South of the Iron bridge. *West* : Southern portions of S. Nos. 197, 149, 148, 139, 138, 123 and 122 of Agastyampalli Vattam and the Railway line from Agastyampalli to Point Calimere commencing from the girder bridge over the Vedaranniyam channel and running towards the South up to the Southern limits of the factory as given above.
9	Thambikkottai	Thambikkanalla vankottai, 160. Thamarankottai.	Pattukkotai Taluk, Tanjore District.	*North* : S. Nos. 109, 110 and 318 of Thambikkanallavankottai, Maravakadu village and 891, 892, 893, 894 and 895 of Thamarankottai village. *East* : S. No. 112 of Thambikkanallavankottai, Maravakadu village. *South* : S. No. 116 of Thambikkanallavankottai-Maravakadu village and S. No. 954 of Thamarankottai village. *West* : S. Nos. 885, 889, 890, 891 and 968, Karisakadu road and 954 of Thamarankottai village.
10	Kattumavadi .	Inam Ochakudi	Arantangi Taluk, Tanjore District.	*North* : Bay of Bengal and part of Resurvey No. 103 of Melasthanam village. *East* : Bay of Bengal. *South* : Block Survey No. 77/49 of Inam Enadhi village. *West* : Part of Resurvey No. 103 of Melasthanam village and S. No. 76 of Inam Ochakudi village.
11	Lakshmipans .	(Mahaganapathipuram) Inam Enadi village.	Arantangi Taluk, Tanjore District.	*North* : Block Survey No. 77/46 and 77/50 of Enadi village. *East* : Bay of Bengal. *South* : Block Survey No. 77/52 of Enadi village. *West* : Block Survey No. 77/47 and part of 77/52 of Enadi village.
12	Veppalodai .	Vaipar and Pattanamarudur villages.	Koilpatti Taluk, Tinnevelly District.	*North* : A strip of dry patta land in Survey No. 801-3 lying between the factory bund and Vattakanni (backwater swamp) and a portion of Survey No. 801-1-E. *East* : A strip of dry patta land in Survey No. 801-3 lying between the factory bund and the limits of the Port Land. *South* : Patta land in Survey No. 801-E of Ayan Vaipar village. *West* : Patta land in S. No. 801-E of Ayan Vaipar village.
13	Levingepuram	Milavittan .	Srivaikuntam Taluk, Tinnevelly District.	*North* : Salt jungle in Revenue Survey No. 799 of Milavittan village and Town Survey Nos. 1146, 1145, 1144, 1140/1, 1139/1-A, 1139/3-A, 1138/2, 1137 and 1136 of Survey ward No. 1 of Tuticorin Municipality. *East* : Waste land classified as Gulf of Mannar. Gulf of Mannar west of the beach road in Town Survey No. 1135/37 and South of P. W. D. Travellers' bungalow in Town Survey No. 1135/2-Uppar Odai in Revenue Survey No. 799 of Milavittan village. *South* : Sevandakulam supply channel in Revenue Survey Nos. 915, 913, 902-B and 799 of Milavittan village. *West* : Salt jungle in Revenue Survey No. 799 of Milavittan village. NOTE.—The limit given herein excludes the jungle attached to the factory.

Serial No.	Name of the factory.	Where situated.		Limits.
		Village.	Taluk, District and Province.	
14	Sevandakulam	Milavittan .	Srivaikuntam Taluk, Tinnevelly District.	*North* : Levingepuram Salt Factory, Southern bund, metal road (Tuticorin to Urani) in S. Nos. 439-440 and S. Nos. 902-B, 913 and 915 of Milavittan village. *East* : Uppar Odai old course in S. Nos. 799 and 917 of Milavittan village. *South* : S. No. 917 (Southernmost limit of Milavittan village). *West* : S. Nos. 918, 920, 919, 795, 802 and salt jungle and cart track from Tuticorin to Athur in S. No. 799 of Milavittan village. NOTE.—Excludes (i) the departmental forest just opposite to this group outside the factory bunds which is in continuation of the forest opposite to Levingepuram group and (ii) vacant land on the South of the factory bund.
15	Karapad .	Milavittan .	Srivaikuntam Taluk, Tinnevelly District.	*North* : Uppar Odai in Revenue Survey No. 799 (Brine supply channel running between Levingepuram and Karapad factories). *East* : Low lying wastes in Revenue Survey Nos. 917 and 799 on the shores of the Gulf of Mannar. *South* : Portion of Revenue Survey No. 917 forming Urani factory. *West* : Uppar Odai and continuation of the old Athur road.
16	Urani . .	Milavittan .	Srivaikuntam Taluk, Tinnevelly District.	*North* : Southern limit of Karapad factory and Uppar Odai in Revenue Survey No. 917. *East* : Salt Survey No. 154 of Karapad factory lying west of Gulf of Mannar. *South* : Mullakadu village limits. *West* : Uppar Odai in Revenue Survey No. 917.
17	Kayalpatnam and Kayalpatnam Extension.	Kayalpatnam North.	Tiruchendur Taluk, Tinnevelly District.	*North* : Salt jungle in S. No. 8-B (1), S. Nos. 12, 21, 140 and 20. *East* : S. Nos. 20, 14 and 15 of Kayalpatnam North and Arumuganeri factory. *South* : Drainage channel in S. Nos. 236 and 237-A and B, Salt Poramboke and jungle reserve. *West* : Salt jungle in S. No. 8-B (1), S. Nos. 8-B (3), 12 and Local Fund road.
18	Keeranur .	Kayalpatnam North.	Tiruchendur Taluk, Tinnevelly District	*North* : S. Nos. 125, 126, 128 and 127 of Kayalpatnam North. *East* : S. Nos. 127 and 200 of Kayalpatnam North. *South* : S. Nos. 200, 201 and 110 of Kayalpatnam North. *West* : S. Nos. 119, 120 and 124 of Kayalpatnam North.
19	Arumuganeri .	Kayalpatnam North.	Tiruchendur Taluk, Tinnevelly District.	*North* : S. Nos. 15 and 18 of Kayalpatnam North. *East* : S. Nos. 115, 2-B and 114 of Kayalpatnam North. *South* : S. Nos. 2-B, 1, 2, 5, 6, 7 of Kayalpatnam North and 236, 237/B, B-4 Railway B Class land in Kayalpatnam South. *West* : Kayalpatnam factory.

DRAFT NOTIFICATION II.

In exercise of the powers conferred by Clause (i) of Section 3 of the Madras Salt Act, 1889, (Madras Act IV of 1889) the Collector of Salt Revenue, Madras, directs that the entries against "Kattur" in the Notification dated the 17th April 1919 of the Commissioner of Salt, Abkari and Separate Revenue, Madras, published on page 870 of Part II of the Fort St. George Gazette, dated the 29th April 1919 be deleted.

DRAFT NOTIFICATION III.

In exercise of the powers conferred by Clause (i) of Section 3 of the Madras Salt Act, 1889, (Madras Act IV of 1889) the Collector of Salt Revenue, Madras, directs that the Notification dated the 14th October 1929 defining the limits of the Madras Depot and published on page 1350 of Part II of the Gazette of India, dated the 26th October 1929 be cancelled.

H. GREENFIELD,

Collector.

ROYAL INDIAN NAVY.

NOTIFICATIONS.

LEAVE.

Bombay, the 8th October 1938.

No. 58.—Lieutenant-Commander E. C. Streatfeild-James, R.I.N., is granted 18 months' absence from India from 8th October 1938. The first 3 months will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

No. 59.—Commander H. C. Beauchamp, R.I.N., is granted 10½ months' absence from India from the 8th October 1938. The first 3 months will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

HERBERT FITZHERBERT,

Rear-Admiral,

Flag Officer Commanding,

Royal Indian Navy.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

New Delhi, the 11th October 1938.

No. S.-77/10.—On their return from leave Mr. Bhagat Singh is posted as Deputy Postmaster-General, Bihar and Orissa Circle, and Mr. E. B. Thompson as Deputy Postmaster-General, Bengal and Assam Circle.

G. V. BEWOOR,

Director General of Posts and Telegraphs.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

Simla, the 29th September 1938.

No. 4-An.—Mr. G. R. Gore, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions reverted to his substantive grade with effect from the forenoon of the 23rd September 1938.

Simla, the 30th September 1938.

No. 5-An.—Mr. C. K. Nair, an accountant in the office of the Controller of Military Accounts, Southern Command, has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office, with effect from the forenoon of the 26th September 1938.

M. R. COBURN,

Military Accountant General.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 4th October 1938.

No. 104.—Mr. Daya Chand, Officiating Divisional Executive Engineer, is granted leave on average pay for six weeks with effect from 20th October 1938 or subsequent date of relief.

No. 105.—K. S. Mohd. Roshan Din Khan, Assistant Engineer, is granted leave on average pay for 4 months with effect from 20th September 1938.

Lahore, the 6th October 1938.

No. 106.—Major R. W. P. Yates, R.E., Offg. Superintendent, Walton Training School, is granted leave (out of India) for 11 months and 8 days, viz., leave on average pay for 6 months and on half average pay for the remaining period, with effect from 15th November 1938 or subsequent date of relief.

Lahore, the 7th October 1938.

No. 107.—Khan Bahadur M. D. Sheikh, Offg. Deputy General Manager Personnel is granted leave on average pay for four months with effect from 7th October 1938, or subsequent date of relief.

Lahore, the 10th October 1938.

No. 108.—Mr. M. A. Majid, Officiating Senior Assistant Technical is granted leave on average pay for 4 months with effect from 15th October 1938 or subsequent date of relief.

C. F. CARSON,

Colonel,

General Manager.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the creditors in column 3 of the debtors in column 4 on dates given in column 1, orders of adjudication in insolvency against the said debtors were made by the High Court of Judicature at Madras on the dates given in the last column.

Date of filing. 1	No. of petition. 2	Name of the petitioning creditor. 3	Name and address of the insolvent. 4	Date of adjudication. 5
1st August 1938.	197 of 1938.	P. Guru Murthy Chetty and Brothers	T. M. Bala Krishna Naicker, carrying on business in timber and furniture at 138, Wall tax Road and in iron safes at 5/8, North Wall Road and 206, Govindappa Naicker street, and residing at 18, Pillar Coil Street, Park Town, Madras.	29th August 1938.
16th August 1938.	211 of 1938.	Leelaram Lachumandas . .	G. Sambasiva Pillai, 2 C. D. Gopalaswami 1st Ptr. Commission agent, residing at 24, Purasawapa High Road, Madras—and the 2nd a Dharmakartha of Vembuliamman and Kolathur Amman Temples, having his office at Chetput, Madras.	5th September 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 10th October 1938.

R. JAYARAM,
First Asstt. Registrar.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the undermentioned debtors on dates given in column 1, orders of adjudication in insolvency were made against them by the High Court of Judicature at Madras on the dates given in the last column.

Date of filing. 1	No. of petition. 2	Name and address of the insolvent. 3	Date of adjudication. 4
16th September 1938.	240 of 1938.	Shah Manilal Mool Chand and Shah Mannilal Vaciraj of Hiralal & Co. carrying on business and residing at 18, Audiappa Naicker Street, George Town, Madras.	19th September 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 10th October 1938.

R. JAYARAM,
First Asstt. Registrar.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, OCTOBER 22, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 22nd October 1938.

On and after the 22nd October 1938, and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

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Part III	12	0	0	2	8	0
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There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 22nd October 1938.

SPECIAL NOTICE.

There was no notification on the 15th October 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

October 11, 1938.

25728. Societe d'Etudes pour la Construction et la Reparation des Ouvrages Metalliques SECROM. Improvements in or relating to butt-welding. (October 18, 1937).

25729. The General Electric Co. Ld. Improvements in directional lighting fittings. (September 30, 1937).

25730. The General Electric Co. Ld. Improvements in directional lighting fittings adapted to cooperate with a linear source of light. (September 30, 1937).

25731. Callender's Cable & Construction Co. Ld. Improvements in electric cables. (October 19, 1937).

25732. Carbide and Carbon Chemicals Corporation. Improvements in synthetic filaments, fibres and articles made therefrom. (August 27, 1938).

25733. The General Electric Co. Ld. Improvements in electrodes for high-pressure mercury-vapour discharge devices. (October 18, 1937).

25734. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to radio receiving circuits.

25735. F. J. Cahn and M. B. Katzman. Sulphocarboxylic esters of alcohols of higher molecular weight and process of producing same.

25736. W. & T. Avery Ld. Improvements relating to an electric switch control means particularly for use with weighing mechanisms.

25737. Vereinigte Gluhlampen Und Elektrizitats Aktiengesellschaft. Improvements in and relating to electric amplifier circuits.

25738. D. B. Morton. Improvements in variable speed valve control means for internal combustion engines.

25739. Les Usines De Melle. Improvements in or relating to processes for treating starchy materials in order to saccharify them.

25740. E. G. Butcher and W. E. Jupe. Improvements in rail and wheel-flange lubricators.

25741. H. Streefkerk. Improvements in and relating to barriers such as breakwaters, piers, jetties, wave breakers and similar structures having substantially vertical walls.

25742. E. S. Persson. Hinge means for windows and the like.

25743. International General Electric Co. of New York, Ld. Improvements in and relating to fluorescent material.

25744. P. M. Salerni. Improvements in or relating to hydraulic power transmission apparatus. (October 13, 1937).

25745. Cellulose Holdings, Ld. Improvements in the manufacture of textile fibres. (October 2, 1937).

25746. Joseph Gillott & Sons Ld. and N. R. Gillott. Improvements in pen nibs.

25747. Telephone Manufacturing Co. Ld. Improvements in and relating to electrical communication systems. (October 7, 1937).

25748. International General Electric Co. Inc. Improvements in or relating to elastic fluid generators.

25749. International General Electric Co. of New York, Ld. Improvements in or relating to flash lamps.

25750. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). Method for feeding fuel especially a dust fuel-air mixture into internal combustion engines.

25751. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). A device for feeding fuel dust conveyed by compressed air to the individual cylinders of multiple cylinder dustfuelled engines.

25752. B. Pross and F. Baldus. Method of and apparatus for spinning.

25753. R. W. Luce. Improvements relating to lock-nuts.

25754. Society of Chemical Industry in Basle. Improvements in vessels for delivering liquids in drops.

25755. Standard Telephones and Cables Ld. Improvements in or relating to amplifiers for electrical signalling systems. (December 3, 1937).

25756. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of ortho-and para-nitrophenyl-trifluoromethyl-sulphones. (October 13, 1937).

25757. P. W. Nevill. Improvements in and relating to the treatment of gold bearing ores.

25758. P. W. Nevill. Improvements in and relating to the treatment of gold bearing ores.

25759. I. Ferriguto and A. Moauro. Process for colour analysis and colour synthesis for the projection of coloured pictures in photography and kinematography.

25760. E. E. Ellis. Improvements in or relating to hats or headgear.

25761. The General Electric Co. Ld. Improvements in or relating to apparatus including a scanning disc for transmitting television and like purposes. (September 21, 1937). [Addition to No. 24450].

25762. The General Electric Co. Ld. Improvements in sources of light comprising an electric discharge device and luminescent material adapted to be excited by the discharge therein. (October 20, 1937).

25763. The General Electric Co. Ld. Improvements in sources of light comprising an electric discharge and luminescent material excited by the discharge. (October 20, 1937).

25764. The General Electric Co. Ld. Improvements in circuits for operating electric discharge devices. (October 27, 1937).

25765. The Honorary Advisory Council for Scientific and Industrial Research. Stimulation of growth from plant cuttings. (October 25, 1937).

October 12.

25766. R. L. Revri. Modified improved washers for pumps. [Addition to No. 22688].

25767. R. L. Revri. Modified improved washers for pumps. [Addition to No. 22688].

25768. T. D. Spencer and The Patent Lighting Co. Ld. Improvements in fan impellers and blades therefor. (November 1, 1937).

25769. Pilkington Brothers Ld. Improvements in glass mould charging devices. (October 26, 1937).

October 13.

25770. Societe D'Exploitation Des Procedes Dabeg. Improvements in and relating to valve gear for steam engines and the like.

October 14.

25771. The General Electric Co. Ld. Improvements in electric circuits for operating electric discharge devices. (November 11, 1937).

Alteration of Date.

(I)

24258. The claim to priority date 27th July 1936 has been abandoned and the application dated as of 26th July 1937, the date of filing in India.

(II)

24840. The claim to priority date 11th January 1937 has been disallowed and the application dated as of 14th January 1938, the date of filing in India.

(III)

25065. The claim to priority date 25th March 1937 has been abandoned and the application dated as of 24th March 1938, the date of filing in India.

(IV)

25331. Ante-dated 25th October 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24258. The General Electric Co. Ld. Improvements in or relating to electric discharge devices having auxiliary electrodes. *Auxiliary electrodes connected to the main electrode through resistances.*

24552. Addressograph-Multigraph Corporation. Improvements in planographic printing plate. *Printing surface including water absorptive cellulosic material.*

24559. Standard Telephones and Cables, Ld. Improvements in or relating to radio direction finding systems. *Currents from a directional antennae intermittently combined with currents from non-directional antennae under control of modulating valve oscillator.*

24567. T. W. Dickeson. Improvements in and relating to stable emulsions of water with liquid or liquefiable substances which are immiscible with water. *Emulsion containing activated aluminous gelatine.*

24685. G. T. N. Manikka Naicker. Improvements in or relating to boxes, trunks and the like. *Combination of continuous channels for accommodating partition and spring operated rods for attaching same to the box.*

24840. The General Electric Co. Ld. Improvements in high-pressure mercury vapour electric discharge lamps. *Specified dimensions and shape of envelope.*

24894. Durand & Huguenin A. G. Improved process for printing textile materials. *Adding a salt of an organic carboxylic acid to the paste containing chromium mordant dyestuffs.*

24912. Dyckerhoff Portland-Zementwerke Aktiengesellschaft. Process for the production of pure alumina. *Solutions of alkaline earth aluminates treated with carbondioxide under pressure.*

24930. May & Baker Ld. Process for the preparation of new compounds of therapeutic value. (March 19, 1937). [Addition to No. 23216]. *Treating aralkylanilines with chlorosulphonic acid and the resulting sulphonyl chloride with ammonia.*

25065. Marshall's Tea Machinery Co., Ld. Improvements in or relating to machines for bruising or crushing and sifting rolled tea leaf. *A sifting portion comprising a trough with a perforated bottom and a crushing portion having a roller with independently movable sections.*

25110. Ehrich and Graetz Aktiengesellschaft. Device for increasing the volume in containers for liquid fuel in lighting and heating apparatus. *Auxiliary space or container provided to increase the volume of the fuel reservoir.*

25174. F. E. Lathe, N. P. Pitt and L. Hodnett. Chemically bonded plastic and granular materials including refractories. *Addition of antimigration agent to sodium silicate.*

25267. D. P. Jardine. Improvements in hurricane lanterns. *Air arm tubes directly connected to the metal chimney without a cowl, series of holes being cut on the inner faces of arm tubes.*

25287. The General Electric Co. Ld. Improvements in electric discharge lamps. (June 4, 1937). *Partition in tube and separate base of gas tight material for leads.*

25302. W. H. Martin. Improvements in cop-changing mechanisms for looms. (July 13, 1937). *Cop inserting levers interrupt fabric feed when weft is missing once only but when twice missing put cop changing into operation interrupting loom operation.*

25311. Automatic Telephone and Electric Co. Ld. Improvements in or relating to telephone or like systems. (July 5, 1937). *When shunt is removed a unit of nonlinear resistance material is shunted across impedance.*

25331. Standard Telephones and Cables Ld. Improvements in or relating to radio direction finding apparatus. [Divisonal Date October 25, 1937]. *Signals received by two or more wave collectors modulated and resultant envelopes used for determining polarisation.*

25405. J. A. Maytum and L. Smith. Improvements in and relating to mirrors and to binoculars and the like. *Mirror cemented to a perforated backing plate.*

25440. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Process for the manufacture of aneurin. (May 19, 1938). *Reacting 2-methyl-2 alkoxy-3-chlorotetrahydrofurane with 2-methyl-4-amino 5 thioformylaminomethyl-pyrimidine.*

25448. Fielder's General Products Pty., Ld. An improved process for the manufacture of powdered gluten from cereals. (July 21, 1937). *Pellets of moist gluten mixed with dry gluten powder and remilled in a current of hot air.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23929. Sorbo, Limited.
24220. The General Electric Co., Ld.
24243. The General Electric Co., Ld.
24337. Greenfield.
24346. Das.
24367. Mallick.
24374. Standard Telephones and Cables, Limited.
24446. Linde.
24505. Nasmith.
24533. The General Electric Co., Ld.
24595. The General Electric Co., Ld.
24597. Marconi's Wireless Telegraph Co., Ld.
24656. The General Electric Co., Ld.
24690. Sanitation.
24708. Udy.
24731. I. G. Farbenindustrie Aktiengesellschaft.
24852. Imperial Chemical Industries, Ld.
24895. Sulzer Freres Societe Anonyme.
24944. Aktiebolaget Svenska Flaktfabriken.
24959. Howard and Bullough, Ld.
24966. Komlos.
25023. The Ahmedabad Manufacturing & Calico Printing Company, Limited.
25041. Imperial Chemical Industries, Ld.
25070. Mohd. Din.
25075. Lal Chand.
25092. James Mills and Co. (Engineers), Ld., and Bolton.
25096. Beckwith Manufacturing Co.
25106. Marconi's Wireless Telegraph Co., Ld.
25117. La Paroi Hydraulique.
25121. Marconi's Wireless Telegraph Co., Ld.
25123. Bochumer Verein fur Gussstahlfabrikation Aktiengesellschaft.
25128. The Aluminium Plant and Vessel Company Limited.
25132. J. Luckhardt and Lorenz.
25150. Meehanite Metal Corporation and Smalley.
25156. The General Electric Co., Ld.
25167. Pross and Baldus.
25173. A. W. Pauley.
25179. Kohle und Eisenforschung G. m. b. H.
25180. The British Tabulating Machine Co., Ld.
25182. Kennedy.
25187. Gesellschaft fur nautische und tiefbohrtechnische Instrumente mit beschraenkter Haftung and Professor Dr. Martienssen.
25217. Wakefield.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23703. The General Electric Co., Ld.
23766. The General Electric Co., Ld.
23864. Marconi's Wireless Telegraph Co., Ld.
24025. Lalkaka.
24033. Dr. Szegö.
24035. Machines Pty., Ld.
24062. Bruecker.
24071. Rostron and (Mrs.) Rostron.
24074. Michaelis.
24087. Dewey & Almy Chemical Co.
24119. Standard Oil Development Co.
24148. Rolls Razor, Ld.
24181. Marconi's Wireless Telegraph Co., Ld.
24185. Banadium Corporation of America.
24200. Basil.
24212. Pescara.
24289. van Reesema.
24307. Shepherd, and Shepherd's Industries, Limited.
24312. International General Electric Co., Inc.

24329. Masterman.
24377. Knoll A. G., Chemische Fabriken.
24386. International General Electric Co., Inc.
24391. Agnihotri.
24392. Mukerjee.
24401. Office General De La Cinematographie Francaise.
24402. Office General De La Cinematographie Francaise.
24405. Datta.
24412. Dhanji.
24448. Warren.
24502. The Linde Air Products Company.
24504. Thermit G. m. b. H.
24512. Bird & Company.
24583. The Western States Machine Co.
24584. Morgan.
24586. Shanks & Co., Ld., and Shanks.
24601. Mountstephen, Wood and Spence.
24657. "Sachtleben" Aktiengesellschaft Fur Bergbau Und Chemische Industrie.
24684. Watson.
24711. Universal Oil Products Co.
24740. Dunlop Rubber Co. (India), Ld.
24742. Dunlop Rubber Co. (India), Ld.
24750. I. G. Farbenindustrie Aktiengesellschaft.
24803. Automatic Telephone and Electric Co., Ld.
24816. Tarkar.
24849. Pirie, Appleton & Co., Ld.
24880. Shepherd.
24896. Persson.
24908. McWilliam, Goodman and McLeod & Company Limited.
24910. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag).
24921. Hugo Schneider Aktiengesellschaft.
24924. Freeman.
24925. Procedes Techniques De Construction.
24931. Lofts.
24935. Marconi's Wireless Telegraph Co., Ld.
24945. Pintus.
24962. Fowler.
24965. Fletcher.
24969. The Mirrlees Watson Co., Ld.
24972. Marconi's Wireless Telegraph Co., Ld.
24973. Marconi's Wireless Telegraph Co., Ld.
24980. C. W. Mine Products Co., Ld.
24982. Dr. Ing. C. Weicken & Co. Kommanditgesellschaft.
25007. Stator Corporation.
25261. F. S. Kerr & Co. and Balvalli.

Patents sealed.

24777. Datta.
25205. Datta.

Amendment Proceedings.

Notice is hereby given under section 17 of the Indian Patents and Designs Act, 1911, that Raul Pateras Pescara of 39, Avenue Friedland, Paris (Seine), France, seeks leave to amend the specification of his patent No. 24156. Any person desirous of opposing the said application should, at any time within three months from the date of this *Gazette*, give notice of his intention to do so in the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta. The proposed amendmends are as follows :—

In the printed specification—

Page 1, line 19, for the word "with" *substitute* "in".

Page 2, line 2, after the word "compression" *insert* "or combustion".

Page 2, line 4, after the word "having" *insert* "one or more".

Page 2, line 7, for the word "dependance" *read* "dependence".

Page 2, line 9, for "special distribution" *read* "spacial distribution".

Page 2, line 17, for "Figures 1 and 2 show, in axial cross-section," *read* "Figures 1 and 2 are fragmentary axial cross-sections of."

Page 2, delete line 19 and *substitute* the following :—

"Figures 3 and 4 are fragmentary axial cross-sections of an opposed free."

Page 2, line 23, after the word "first" *insert* "Figure".

Page 2, line 25, for "value, the second" *read* "value, and the second Figure".

Page 2, line 30, for "Figure 11 shows the special case of" *substitute* "Figure 11 is a fragmentary sectional view of."

Page 2, line 32, delete the words "said main combustion chamber" and *insert* the words "the latter".

Page 2, line 37, after "drawings :—" *add* "In the form of the invention shown in Figure 1 as applied to a".

Page 2, line 38, delete the letter "A"; and *for* the word "has" *substitute* "having".

Page 2, line 39, after the numeral "21" *insert* "a comma" and *delete* the word "and".

Page 2, line 41, after the word "combustion" *add* "or compression".

Page 2, line 55, before the word "chamber" *insert* "or compression".

Page 5, line 13, (Claim 1), *after* the word "having" *insert* "one or more".

Page 5, line 22, (Claim 3), *for* "Claims 1 and 2" *read* "Claims 1 or 2".

Page 5, line 23, (Claim 3), *for* the word "device" *substitute* the word "means".

Page 5, line 24, after the word "piston" *insert* "or one of the pistons".

Page 5, lines 26-27, delete "(for example, the inlet..............engine cylinder)".

Page 5, delete "Claims 4 and 5" and *substitute* the following as "Claims 4, 5 and 6" :—

"4. An internal combustion engine as claimed in claim 3, wherein the control of the injection means is effected indirectly in dependence upon the inlet pressure of the scavenging and combustion air or the final compression pressure in the engine cylinder.

5. An internal combustion engine as claimed in claim 1, 2 or 3, characterised by the feature that the compression chamber is provided with two or more injection nozzles all or some only of which are brought into operation in dependence upon the volume of the compression chamber.

6. An internal combustion engine as claimed in claim 1, 2 or 3, characterised by the feature that the compression chamber is provided with at least one injection nozzle which produces a number of diverging jets of fuel and which is turnable about its axis through an angle which depends upon the volume of the compression chamber."

Page 5, line 39, renumber Claim 6 *as* Claim 7; and *for* "Claims 1 and 2" *read* "Claim 1, 2 or 3,".

Page 5, line 43, for the words "the size of which depends" *substitute* "depending".

Page 5, line 45, renumber "Claim 7" *as* "Claim 8"; and *for* "Claims 1 and 2" *substitute* "Claim 1, 2, 3 or 5,".

Page 5, line 50, renumber "Claim 8" *as* "Claim 9" and *for* "claimed in Claim 7" *read* "claimed in Claim 8".

Page 5, line 51, before the word "pump" *insert* the word "fuel".

Page 5, line 52, delete the word "also"; and *for* "piston (16)" *read* "piston".

Page 5, line 53, for "a stationary cam (17)" *substitute* "a cam".

Page 5, line 55, renumber "Cloim 9" *as* "Claim 10"; and *for* "Claims 1 and 2" *read* "Claim 1 or 2".

Page 5, line 56, for the word "space" *substitute* the word "chamber".

Page 5, line 57, for the word "space" *substitute* the word "chamber".

Page 5, line 58, for the word "space" *substitute* the word "chamber".

Page 5, line 59, for "space (1^1)" *substitute* the word "chamber".

Page 5, line 62, for "space (1)" *substitute* the word "chamber".

Page 6, line 1, renumber "Claim 10" *as* "Claim 11"; and *for* "Claims 1 and 2" *substitute* "Claim 1, 2 or 3,".

Page 6, line 5, renumber "Claim 11" *as* "Claim 12"; and *for* "claimed in Claim 10" *substitute* "claimed in Claim 11".

Page 6, line 6, for "opening (2)" *read* "opening".

Page 6, line 7, for "body (20)" *read* "body".

Page 6, line 10, for "opening (2)" *read* "opening".

Page 6, line 11, renumber "Claim 12" *as* "Claim 13"; and *for* "a variable compression space," *read* "variable compression chamber".

Renewal Fees Paid.

PATENTS.

10863. Societa Anonima Eternit Pietra Artificiale. (To 26th November 1939).

10879. Abbott. (To 10th December 1939).

11777. Open Heart Combustion Co. (To 28th October 1939).

11914. Marconi's Wireless Telegraph Co. Ld. (To 14th December 1939).

11977. Hayes Track Appliance Co. (To 25th November 1939).

12742. Fraser and ors. (To 17th November 1939).

13038. Vickers Ld. (To 30th March 1940).

15040. Crabtree. (To 29th November 1939).

15087. Electrical Research Products Inc. (To 10th December 1939).

15191. Ehlenbeck & Platte. (To 2nd January 1940).

15358. Metropolitan Vickers Electrical Co. Ld. (altered to Associated Electrical Industries Ld.) (To 9th March 1940).

16069. Prof. Dr. Varga. (To 5th October 1939).

16328. I. G. Farbenindustrie Aktiengesellschaft. (To 19th October 1939).

16449. Prof. Dr. Varga. (To 11th October 1939).

16494. Aktiebolaget Siefvert & Fornander. (To 2nd December 1939).

16550. Wilson. (To 23rd December 1939).

16579. Tuppen. (To 3rd January 1940).

16626. Baker and ors. (To 16th January 1940).

16654. Gillette Safety Razor Co. (To 21st January 1940).

16658. Kershaw and ors. (To 24th January 1940).

17442. Burton. (To 9th October 1939).

17510. Gaisman. (To 13th January 1940).

17518. W. T. Henley's Telegraph Works Co. Ld. and anr. (To 24th December 1939).

17542. Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (To 10th November 1939).

17638. Dr. Rewald. (To 15th December 1939).

17702. Tuppen. (To 15th January 1940).

18431. Saschalite Ld. (To 27th October 1939).

18486. Bullers Ld. (To 31st December 1939).

18510. Fried Krupp Aktiengesellschaft. (To 17th November 1939).

18514. Fraser and ors. (To 23rd November 1939).

18517. Fraser and ors. (To 23rd November 1939).

18523. Bullers Ld. (To 19th January 1940).

18525. Columbia Graphophone Co. Ld. (To 1st December 1939).

18571. Marconi's Wireless Telegraph Co. Ld. (To 20th December 1939).

18661. Bojner. (To 12th January 1940).

18706. Watkins. (To 16th February 1940).

18959. Rutherford. (To 9th October 1939).

19174. The Cunard Steamship Co. Ld. (To 2nd November 1939).

19195. "Pertrix" Chemische Fabrik A. G. (To 16th October 1939).

19285. Fuller and ors. (To 15th October 1939).

19287. Radio Corporation of America. (To 15th October 1939).

19295. George Spencer Moulton & Co. Ld. and anr. (To 29th October 1939).

19369. Kennedy. (To 8th November 1939).

19371. Deutsche Gold-Und Silber-Scheidean Stalt Vormals Roesslar. (To 8th November 1939).

19386. Imperial Chemical Industries Ld. (To 4th December 1939).

19397. Beldam. (To 21st November 1939).

19399. Toyoda. (To 21st November 1939).

19423. International Hydrogenation Patents Co. Ld. (To 28th November 1939).

19643. Dieseldorff. (To 30th December 1939).

19644. Associated Electrical Industries Ld. (To 10th March 1940).

19800. Superbeton S. G. (To 25th November 1939).
19971. Radio Corporation of America. (To 15th October 1939).
19972. Radio Corporation of America. (To 15th October 1939).
19973. Radio Corporation of America. (To 15th October 1939).
20263. J. H. McEvoy & Co. (To 5th October 1939).
20298. Societe D'Electrochimie D'Electrometallurgie Et Des Acieries Electriques D'Ugine. (To 12th October 1939).
20311. Weerts. (To 16th October 1939).
20324. The Distillers Co. Ld., and ors. (To 3rd November 1939).
20325. George Spencer Moulton & Co. Ld., and anr. (To 29th October 1939).
20335. Hartmann. (To 30th October 1939).
20434. Hestnes. (To 4th December 1939).
20437. Larsson. (To 5th December 1939).
20455. Leone. (To 12th December 1939).
20470. Wrigley and anr. (To 18th December 1939).
20492. Svenska Aktiebolaget Bromsregulator. (To 2nd January 1940).
20566. Electrical Research Products, Inc. (To 27th December 1939).
20588. The Francois Cementation Co. Ld. (To 5th February 1940).
20590. The Francois Cementation Co. Ld. (To 5th February 1940).
21052. Nofrango Ld. (To 31st October 1939).
21233. Lall. (To 4th October 1939).
21240. Jansen. (To 9th October 1939).
21249. Nofrango Ld. (To 25th October 1939).
21255. Lawrence. (To 10th October 1939).
21260. Turnbull. (To 11th October 1939).
21261. Turnbull. (To 11th October 1939).
21276. Smith. (To 24th October 1939).
21280. Sirdar Raja Babu. (To 25th October 1939).
21298. Woodall Duckham (1920) Ld. (To 2nd December 1939).
21320. C. C. Wakefield & Co. Ld. (To 27th January 1940).
21338. Soapless Foam Ld. (To 8th November 1939).
21339. Soapless Foam Ld. (To 8th November 1939).
21385. Deutsche Gold-Und Silber Scheideanstalt Vormals Roessler. (To 20th November 1939).
21402. C. C. Wakefield & Co. Ld. (To 30th December 1939).
21431. Wheatley and ors. (To 4th December 1939).
21443. Imperial Chemical Industries Ld. (To 15th December 1939).
21459. F. Racek & Co. (To 12th December 1939).
21639. Fraser and ors. (To 20th February 1940).
21712. Associated Electrical Industries Ld. (To 11th March 1940).
22234. Downer. (To 8th October 1939).
22261. Schmidt. (To 22nd November 1939).
22284. Jacobsen and ors. (To 9th November 1939).
22341. Elkington. (To 9th November 1939).
22377. Rogers. (To 26th November 1939).
22416. Albero. (To 21st December 1939).
22491. F. N. F. Ld. (To 19th January 1940).
22496. Turnbull. (To 11th October 1939).
22499. The English Electric Co. Ld. (To 19th January 1940).

Cessation of Patents.

9469. The National Malleable Castings Co.
10252. G. D. Peters & Co. Ld., and anr.
10441. Stenning and ors.
10454. Harrington.
12315. Mitchell and anr.
13384. Hole.
14488. Afonin.
14529. Electrolux Ld.
14536. Standard Telephones and Cables Ld.
15755. The Barrett Co.
15781. The Bateman Teastalk Separator Co. Ld
15966. Lush.
16153. Standard Oil Development Co.
17033. Yates.
17070. Knowles.
17118. Lightalloys Ld., and anr.
17184. Wrightson and anr.
19042. Tyer & Co. Ld., and ors.
20019. Brown and ors.
20020. Brown and ors.
20045. Zarotschenzeff.
20046. Zarotschenzeff.
20048. Vereinigte Stahlwerke Aktiengesellschaft.
20052. Piornik.
20071. Fernholz.
20940. Taylor.
20971. Suzuki and anr.
20983. Skelton.
20987. Brick Trust Ld.
20997. Apcar.
20998. Dr. Taylor and ors.
20999. Kolandaiswamy.
21000. Aiyar.
21001. Bartter.
21003. Battersby.
21009. Society of Chemical Industry in Basle.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 13. Nos. 63798 to 63802. The Mafatlal Fine Spg. & Mfg. Co. Ld., of Navsari, Baroda State. September 13, 1938.

Class 13. No. 63807. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. September 16, 1938.

Class 13. Nos. 63809 and 63810. The Shree Niwas Cotton Mills Ld., of Delisle Road, Bombay No. 13. September 17, 1938.

Class 13. No. 63812. B. C. L. Ld. of Wallace Road, Karachi, Sind, British India. September 19, 1938.

Class 13. Nos. 63813 to 63822. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. September 19, 1938.

Class 13. No. 63823. The Standard Mills Co. Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. September 19, 1938.

Class 13. No. 63824. Sha Dwarkadas Dhanji, Mulji Jetha Market, Gaumukh Galli, Bombay 2. September 19, 1938.

Class 14. Nos. 63804 to 63806. Thos. G. Hill & Co. Ld., of 58, Whitworth Street, Manchester, England. September 14, 1938.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . . . Indian Institute of Science.

Do. . . . Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.

BARODA . . . Department of Commerce and Industries.

BERLIN . . . The Reich Patent Office.

BOMBAY . . . Office of the Director of Industries.

CALCUTTA . . . Patent Office, No. 1, Council House Street.

CAWNPORE . . Harcourt Butler Technological Institute.

DACCA . . . Sadar Registration Office.

DELHI . . . Office of the Superintendent of Industries.

LAHORE . . . Punjab Public Library.

LUCKNOW . . . Amiruddaula Public Library.

MADRAS . . . Record Office, Egmore.

Do. . . . College of Engineering.

PATNA . . . Office of the Director of Industries, Bihar and Orissa.

POONA . . . Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.

RANGOON . . . Office of the Chief Secretary, Home and Political Department, Government of Burma.

WASHINGTON (U. S. A.) . . The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON . . . Office of the High Commissioner for India, India House. Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Bombay, the 11th October 1938.

Portions of the following note of the Bombay Office of Issue is stated to have been destroyed, and payment of its value has been claimed by the person whose name is placed against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
D 25 of 1938	T/29-045986	100	Mr. Kaka Singh, s/o Sawan Singh, c/o Mr. Amolak Singh Gulab Singh, Chak 192, Post Sri Ganga Nagar, Bikaner State.

V. G. DESHMUKH,

Currency Officer.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT, BOMBAY.

Lahore, the 12th October 1938

Portions of the following note of the Lahore Office of Issue are stated to have been destroyed, and an application for payment of its value has been received from the person whose name is shown against the number(s) Any other person who consider(s) himself as having a right to it is warned to communicate at once with the undersigned.

Register No.	Note No.	Value.	Name and address of the applicant.
		Rs.	
W. D. 14 of 1938.	T 14 397628	100	Mr. Layak Ram Taga, village Badoli, P. O. Kata District Saharanpur (U. P.)

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, LAHORE.

MUL CHAND,
Currency Officer.

Calcutta, the 15th October 1938.

Portions of the following note(s) of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of their value has been received from the persons whose name are shown against the number(s). Any other person/party who consider(s) himself/themselves as having a right to them is/are warned to communicate at once with the undersigned.

Register No.	Note No.	Value.	Name and address of the applicant.
		Rs.	
W.D./18 of 1938.	S/5-430129	100	Charan Das Phagoomal, Iron merchants, Saharanpur.
W.D./19 of 1938.	T/42-371827	100	Ram Gopal Khemka, 63, College Street, Calcutta.
	T/42-359220	100	
W.D./20 of 1938.	RE/72-09711	1000	Saila Chand Dutt, 17/2, Gopi Kristo Pal Lane, Calcutta.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

P. K. BASU,
Currency Officer.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 13th October, 1938.

No. 36.—Mr. S. C. Mitra is appointed Assistant Currency Officer, Reserve Bank of India, Issue Department, Cawnpore, with effect from the afternoon of the 10th October, 1938, *vice* Mr. R. N. Banerjee reverted as Senior Superintendent.

MANILAL B. NANAVATI,
Deputy Governor.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

Simla, the 12th October, 1938.

No. EB-15.—Mr. O. N. Dang, Assistant Aerodrome Officer, Karachi Air Port, is granted earned leave for 45 days with effect from the 15th October 1938 or the date from which it is actually taken.

No. EB-15(i).—Mr. E. Sequeira, Assistant Aerodrome Officer, Jacobabad, is transferred to Karachi Air Port, *vice* Mr. Dang.

F. TYMMS,
Director of Civil Aviation in India.

OFFICE OF THE COMMISSIONER, CENTRAL EXCISES AND SALT, NORTHERN INDIA.

NOTIFICATION.

LEAVE.

Delhi, the 18th September 1938.

No. 113.—L. Tara Chand Seth, Superintendent, Kalabagh, Salt Range Division is granted earned leave for 11 days from the 19th to 29th September 1938, with permission to affix Sunday the 18th September, and the Desehra holidays from the 30th September to 3rd October 1938.

(F. No. 443-Et./38).

F. C. KING,
Commissioner,
Central Excises and Salt,
Northern India.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATION.

New Delhi, the 18th October 1938.

No. F.-10-1/38/82-P.—Major M. K. Kelavkar, I.M.S., on expiry of his leave resumed Charge of the Medical Store Depot, Lahore Cantonment on the forenoon of 3rd September 1938.

First Class Assistant Surgeon E. Duckworth, I.M.D., relinquished charge of the Medical Store Depot, Lahore Cantonment on the forenoon of 3rd September 1938.

E. W. C. BRADFIELD,
Major-General, I.M.S.,
Director-General, I.M.S.

RESERVE BANK OF INDIA—PUBLIC DEBT OFFICE.

Statement of Government Promissory Notes enfaced for payment of Interest in London, under deduction of amounts re-transferred to India, and outstanding in the Books of the Indian Government Rupee Loans Office, Reserve Bank of India on the 30th September 1938.

PARTICULARS.	2½ PER CENT. LOAN.	3 PER CENT. LOANS.			3½ PER CENT. LOANS.					
	1948-52.	1896-97.	BONDS, 1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.
Balance of 31st August, 1938	*Nil*	11,19,700	*Nil*	1,06,700	26,42,200	94,96,900	40,54,500	10,83,100	4,35,650	3,30,[illegible]
Add—										
Amount of Loan Certificate Transferred to Stock in London	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to 23rd September 1938.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Calcutta between 1st and 30th September 1938.	...	...	...	...	...	...	...	...	...	...
	Nil	11,19,700	*Nil*	1,06,700	26,42,200	94,96,900	40,54,500	10,83,100	4,35,650	3,30,[illegible]
Deduct—										
Amount written off in the London Registers	...	...	...	...	2,000	50,800	5,600	...	...	...
Balance on 30th September 1938	*Nil*	11,19,700	*Nil*	1,06,700	26,40,200	94,46,100	40,48,900	10,83,100	4,35,650	3,30,[illegible]

PARTICULARS.	4 PER CENT. LOANS.		4½ PER CENT. LOAN.	5 PER CENT. LOANS.				5½ PER CENT. LOANS.		TOTAL.
	BONDS, 1943.	1960-70.	1955-60.	Indian War Loan, 1929-47.	1945-55.	1939-44.	1940-43.	War Bonds, 1928.	1938-40.	
Balance of 31st August 1938	2,00,00,000	6,42,100	4,500	100	25,03,000	4,05,300	5,38,700	100	1,88,000	7,62,[illegible]
Add—										
Amount of Loan Certificate Transferred to Stock in London	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to 23rd September 1938.	...	...	...	...	100	...	...	...	...	[illegible]
Amount enfaced at Calcutta between 1st and 30th September 1938.	...	...	...	...	...	800	...	...	...	[illegible]
	2,00,00,000	6,42,100	4,500	100	25,03,100	4,06,100	5,38,700	100	1,88,000	7,[illegible]
Deduct—										
Amount written off in the London Registers	...	...	...	...	...	20,000	...	...	...	[illegible]
Balance on 30th September 1938	2,00,00,000	6,42,100	4,500	100	25,03,100	3,86,100	5,38,700	100	1,88,000	7,[illegible]

RESERVE BANK OF INDIA,
PUBLIC DEBT OFFICE,
Calcutta, the 12th October 1938.

S. A. RAHIM,
Accountant.

L. PERTWEE,
Manager.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M. Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 22nd October 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE.

NOTIFICATION.

New Delhi, the 18th October, 1938.

No. 7851.—Dr. Taskhir Ahmad, Assistant Entomologist is granted leave on average pay for 27 days from 13th October, 1938.

B. VISWA NATH,

Director.

ROYAL INDIAN NAVY.

NOTIFICATIONS.

LEAVE.

Bombay, the 12th October 1938.

No. 60.—In Royal Indian Navy Notification No. 57, dated 24th September 1938 for "Engineer-Lieutenant Z. W. Stephenson" *read* "Engineer-Lieutenant J. W. Stephenson".

C. J. NICOLL,

Captain,

for Flag Officer Commanding,

Royal Indian Navy.

APPOINTMENT.

Bombay, the 12th October 1938.

No. 61.—Commander C. L. Turbett, R. I. N., is appointed officiating Divisional Sea Transport Officer, Bombay, with effect from 8th October 1938.

HERBERT FITZHERBERT,

Rear-Admiral,

Flag Officer Commanding,

Royal Indian Navy.

INCOME TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 27th September 1938.

No. 11402/2E/40/C. T.—Mr. P. N. Mukherjee, B.L., Income-tax Officer, Central Salaries Circle, Calcutta shall, in addition to his own duties, remain in charge of District V-A. Calcutta for the period from the 28th September, 1938 to 9th October, 1938.

2. Mr. E. Sadique, B.A., Income-tax Officer, is, on the expiry of his leave, posted to District V-A, Calcutta, with effect from the 10th October 1938 *vice* Mr. S. J. Ahmed, M.A., Income-tax Officer, District V-A., Calcutta granted leave or until further orders.

No. 11427/2E/44-C. T.—Mr. S. P. Lahiri, B.A., Income-tax Officer, Companies District III, Calcutta, shall, in addition to his own duties, be in charge of Companies District II, Calcutta, during the absence on leave of Mr. K. C. Goswami, B.L., Income-tax Officer, Companies District II, Calcutta.

Calcutta, the 11th October 1938.

No. 11473/2E/42-C. T.—Mr. S. G. Sen Gupta, M.A., B.L., Income-tax Officer, District IV(3), Calcutta, is allowed under Fundamental Rule 81(b)(ii) leave on average pay for 6 days with effect from the 5th September, 1938 to the 10th September, 1938 with permission to prefix Sunday, the 4th September, 1938 and affix Sunday, the 11th September, 1938 to the leave.

It is certified that on the expiry of his leave, the above officer had every likelihood of returning to the post of the Income-tax Officer, District IV(3), Calcutta, from which he went on leave and that he has actually returned to it.

S. N. BANERJEA,

Commissioner of Income-tax, Bengal.

INDIAN COAL GRADING BOARD.

NOTIFICATION.

Calcutta, the 30th September 1938.

No. 3.—The following Additions and Withdrawal have been made to the list of Graded Coals during the quarter ending 30th September 1938 and are notified for general information :—

Name of Owner.	Name of Colliery.	Name or No. of Seam.
	1. ADDITIONS.	
	LOW VOLATILE COAL.	
	(BARAKAR AND KARHARBAREE SERIES.)	
	SELECTED GRADE.	
	Up to, but not exceeding 13 per cent. Ash and over 7,000 Calories.	
Messrs. Turner Morrison & Co., Ltd.	Bagdigi	14.
North West Coal Co., Ltd., (Mg. Agents, Messrs. Andrew Yule & Co., Ltd.)	Ena	10. 6′-6″ in the Middle Section immediately above the parting band between the Top and Bottom Sections of the Seam.
	GRADE I (ONE).	
	Up to, but not exceeding 15 per cent. Ash and over 6,500 Calories.	
The Sendra Coal Co., Ltd., (Mg. Agents, Messrs. F. W. Heilgers & Co.)	Sendra	13. Full Section
	HIGH VOLATILE COAL.	
	(RANEEGUNGE SERIES.)	
	SELECTED GRADE.	
	Up to, but not exceeding 11 per cent. Ash and over 6,800 Calories. Under 6 per cent. Moisture.	
L. A. Creet, Esq.,	Khas Sathgram	Sathgram. 6′-2″ Bottom Section.
	2. WITHDRAWAL.	
	LOW VOLATILE COAL.	
	SELECTED.	
Messrs. Anderson Wright & Co.	Bagdigi	14.

S. N. BANERJI,
Secretary,
Indian Coal Grading Board.

A. ORR,
President,
Indian Coal Grading Board.

OFFICE OF THE ACCOUNTANT GENERAL, BENGAL.

Statement of Income and Expenditure of the Bengal and Madras Service Family Pension Fund for the year 1937-38.

Income.	Rs. A. P.	Expenditure.	Rs. A. P.	Remarks.
Balance on 1st April 1937	16,58,771 8 3	Expenses of Management :—		
Subscriptions	7,569 14 2	Establishment	2,640 0 0	
Interest for the year 1936-37	80,198 9 1	Pension contribution	420 0 0	
Pension donation by Government for the year 1936-37.	600 0 0	Postage and Stamps	50 0 0	
		Printing and Stationery	182 0 0	
Deposit	*Nil.*	Medical Fee	16 0 0	
Miscellaneous	*Nil.*	Miscellaneous	18 1 0	
		Pension payment	51,692 3 10	
		Refund of subscriptions	15,116 13 4	
			70,135 2 2	
		Closing balance on 31st March 1938.	16,77,004 13 4	
	17,47,139 15 6		17,47,139 15 6	

No. B. M. S. F./90, dated 26th September 1938.

Forwarded to the Secretary to the Government of India, Finance Department, Simla.

E. R. SESHU AYYAR,

Accountant General, Bengal.

Statement of Assets and Liabilities of the Bengal and Madras Service Family Pension Fund on 31st March 1938.

Assets.	Rs. A. P.	Liabilities.	Rs. A. P.	Remarks.
Balance on 31st March 1938	16,77,004 13 4	Annuities outstanding	6,369 11 11	
Permanent advance	50 0 0	Refund of subscriptions outstanding.	2,977 6 0	
Postage stamps	33 7 0	Establishment charges	255 0 0	
			9,602 1 11	
		Balance of Assets	16,67,486 2 5	
	16,77,088 4 4		16,77,088 4 4	

No. B. M. S. F./91, dated 26th September 1938.

Forwarded to the Secretary to the Government of India, Finance Department, Simla.

E. R. SESHU AYYAR,

Accountant General, Bengal.

II C

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 17th October 1938.

No. 1-An.—Mr. Meghraj Tuteja an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command reverted to his substantive grade, with effect from the afternoon of the 5th October 1938.

No. 2-An. (a).—The undermentioned Deputy Assistant Controllers of Military Accounts in the office of the Controller of Military Accounts, Northern Command have been granted leave as shown against their names:—

1. Mr. W. T. G. Mudaliar—Privilege leave for 2 months and 19 days with effect from the 11th July 1938 with permission to prefix Sunday the 10th July 1938 and affix the Dussehra holidays from the 30th September 1938 to the 3rd October 1938.
2. Mr. Dhanpat Rai—Privilege leave for one month and 2 days with effect from the 4th October 1938 with permission to prefix the Dussehra holidays from the 30th September 1938 to 3rd October 1938 and to affix Sunday the 6th November 1938 and the Gazetted holiday on the 7th November 1938.
3. Mr. Ahmad Ali—Privilege leave for 3 months and 28 days, pending retirement with effect from the 4th October 1938 with permission to prefix the Dussehra holidays from the 30th September 1938 to 3rd October 1938.

No. 2-An. (b).—The undermentioned officiating Deputy Assistant Controllers of Military Accounts in the office of the Controller of Military Accounts, Northern Command reverted to their substantive grades with effect from the afternoon of the 29th September 1938 and have been reappointed to officiate as Deputy Assistant Controllers of Military Accounts in that office, with effect from the forenoon of the 4th October 1938.

Mr. A. K. Patra.

Mr. Shiv Ram Kakar.

No. 4-An. (a).—Mr. Ghulam Rasul, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions, has been granted an extension of privilege leave on medical grounds for 21 days in continuation of the leave granted to him in this Department Notification No. 4-An, dated the 18th August 1938.

No. 4-An. (b).—Mr. Kartar Singh, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions, reverted to his substantive grade, with effect from the afternoon of the 29th September 1938.

No. 5-An.—This Department Notification No. 5-An., dated the 30th September 1938, is hereby cancelled.

M. R. COBURN,

Military Accountant General.

EAST INDIAN RAILWAY.

NOTIFICATION.

Calcutta, the 15th October 1938.

No. E. P.-666/II.—Mr. S. J. P. Cambridge, Executive Engineer, has been granted 101 days privilege leave combined with 8 months furlough on half pay out of India, with effect from the 26th October 1938 or from subsequent date of relief.

J. A. BELL,

General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 13th October 1938.

No. 21620-S.-2218.—Mr. F. S. Strang, Assistant Executive Engineer (Junior Scale) availed himself of 3 months leave on average pay from 1st July, 1938 instead of 3 months and 5 days on average pay and 5 days on half average pay from that date as previously notified.

Mr. P. Lucas, Assistant Engineer (Junior Scale) has been granted 4 months and 3 days combined leave, *viz.*, 3 months on average pay and 1 month and 3 days on half average pay from 17th September, 1938.

Mr. O. S. Murthy, Assistant Executive Engineer (Junior Scale) has been granted 26 days leave on average pay from 26th September, 1938.

Mr. G. C. Minnitt, Executive Engineer (Senior Scale) has been granted 1 year, 3 months and 13 days combined leave preparatory to retirement, *viz.*, 2 months and 26 days privilege and the balance furlough on half pay, from 3rd October 1938.

Mr. E. Dibben, Assistant Transportation Superintendent (Distribution) Junior Scale, has been substantively promoted to the Senior Scale, as Traction Engineer (Distribution) from 9th February 1938.

Mr. J. W. Marks, Chief Clerk, Chief Mechanical Engineer's Office is appointed to officiate as Personal Assistant to the Chief Mechanical Engineer, in the Lower Gazetted Service with effect from 19th September 1938.

Mr. J. Balasundra Rao, Probationer, has been confirmed as Assistant Traffic Manager in the Junior Scale from the 2nd October, 1938.

J. H. F. RAPER,

General Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, OCTOBER 29, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 22nd October 1938.

On and after the 22nd October 1938, and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
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Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0
Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

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Extraordinary issues	Price fixed for each issue individually.		

There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to Central and all Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 29th October 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

October 15, 1938.

25772. R. S. Wadaye. Improved mechanism for casting studs, cuff-links, buttons, rivets and similar articles of aluminium, brass and like metals.

25773. Ing. E. Perlito. System and device for the production of tempered glass sheets.

25774. Hatim Tai. "Cycle-car" (Front pedal model).

October 17.

25775. B. J. Chawhan and B. K. Vibhakar. Mechanism for the adjustable hanger.

25776. H. E. Collier. Combined electric switch and electric light regulator.

25777. R. Vastava. Film on the stage.

25778. Ruhrchemie Aktiengesellschaft. Process for the production of catalysts. (September 8, 1938).

25779. The General Electric Co., Ld. Improvements in methods for protecting luminescent materials from deterioration under the combined action of the atmosphere and light. (November 4, 1937).

25780. The General Electric Co., Ld. Improvements in or relating to radio and television receiving apparatus. (November 4, 1937).

25781. The General Electric Co., Ld. Improvements in high-pressure mercury-vapour electric discharge lamps. (November 12, 1937).

25782. The General Electric Co., Ld. Improvements in the manufacture of luminescent screens. (November 26, 1937).

25783. Les Usines De Melle. Improvements relating to the manufacture of aliphatic ethers.

25784. Maybach-Motorenbau Gesellschaft mit beschrankter Haftung. Improvements in gear-wheel change-speed gears.

25785. The General Electric Co., Ld. Improvements in or relating to optical projection apparatus. (November 25, 1937)

October 18.

25786. Patel & Lokhandwalla. An improved process for manufacturing dry ice containers. [Addition to No. 25480].

25787. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to navigation aiding radio transmitting installations. (November 18, 1937).

25788. H. J. van der Meer. Method and device for mechanically removing the stalks or stems from dry factory tea during the sorting thereof.

25789. R. Mautsch. Welding rod. [Divisional Date November 29, 1937].

25790. R. Mautsch. Electric furnace. [Divisional Date November 29, 1937].

October 20.

25791. Telephone Manufacturing Company, Limited. Improvements in and relating to electrical communication systems.

25792. Standard Telephones and Cables, Limited. Improvements in or relating to electric signalling systems. (January 25, 1937). [Divisional Date January 17, 1938].

25793. Standard Telephones and Cables, Limited. Improvements in or relating to electric signalling systems. (January 25, 1937). [Divisional Date January 17, 1938].

October 21.

25794. Standard Telephones and Cables, Limited and Marconi's Wireless Telegraph Co., Ld. Improvements in and relating to thermionic valve apparatus. (October 23, 1937).

25795. S. J. Masurekar. Improved lead and rule caster attachment.

25796. C. H. Johnson and Sons, Ld. Vibrator for use in consolidating concrete.

25797. Fried, Krupp Aktiengesellschaft. Improvements in automatic lubrication of bearings on crank pins.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24263. S. Junghans. Process for the addition of chemically or physically acting substances to metals or materials in the molten state. *Reacting materials for the manufacture of the cast rods added to the molten substance when within the mould.*

24535. British Celanese, Ld. Improvements in the manufacture of staple fibre yarns, or like products. (October 21, 1936). *Feeding a succession of groups of separated fibres to the peripheral surface of a rotating drum and holding the fibres by suction.*

24553. G. Madieu. Improvements in playing devices. [Addition to No. 23968]. *Receptacle with a number of cavities, suitably distinguished balls and transparent cover for said receptacle.*

24603. National Processes, Ld. Improvements in and relating to the rot-proofing of textiles, paper and other fibrous materials. (November 5, 1936). *Treating the material, simultaneously with, or prior to the sizing operation, with a water insoluble rot-proofing agent dispersed in aqueous vehicle not coagulating the sizing liquid.*

24640. F. Mayr-Melnhof. Means for obviating glare from powerful sources of light in road traffic at night. *Periodically acting screening devices working in synchronisation with those of on coming light.*

24696. M. Y. Shah. A new device for lighting of railway stations. *Swinging contact-making device fitted on the engine contacting with overhead wires near the railway platform.*

24720. Hume Steel, Ld. Improved machine for trimming and/or bevelling the edges of metal plates. *Cutter operating mechanism co-operating with feed gear for rocking or reciprocating levers to operate the tools.*

24795. S. K. Vaidya. An improved Epi-dia-scope. *Sliding arrangement for the condensing glass.*

24994. National Processes, Ld. Improvements in or relating to the rot-proofing of materials. (March 2, 1937). *Aqueous emulsion of water-insoluble toxic metallic salt or ester of a tar or petroleum acid.*

25045. A. L. McWilliam, E. L. Goodman, and McLeod & Co., Ld. Improvements in centering devices for tilting or swinging-out pressure caps of tea rolling machines. *Vertical rod or member associated with pressure cap adapted to prevent rotation of cap about its centre.*

25061. E. Herrmann. Improvements in means for applying a lacquer or short-fibre layer to solid workpieces. *Comprising a jet sprayer with a manually operable control.*

25077. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of amino-substituted arsenobenzene-formaldehyde-bisulphite compounds. (April 23, 1937). *Condensing hydroxy-alkylamino hydroxy-benzene arsonic acid with an amino-hydroxy-benzene arsonic acid and causing the product to react with sodium formaldehyde bisulphite.*

25159. Skylux, Ld., and G. D. Villiers. An improved camp bed or longue. *Side members of the frame embody a straight portion continuing at each end into depending V or V-shaped feet.*

25165. Callender's Cable and Construction Co., Ld. Improvements in the manufacture of electric cables. (May 24, 1937). *Paper is dried, prior to impregnation, by heat and vacuum in presence of rosin.*

25176. N. P. Pitt, and E. G. Baker. The bonding of calcium silicates. *Non-hydrating calcium silicate mixed with a carbonate, bicarbonate fluoride, sulphide, arsenate, chromate or hydroxide of an alkali metal.*

25255. H. Bode. Process for the production of wall and panel surfaces. *Applying pulverulent masses on the ground work of cement before setting and polishing the projecting cement surface after setting.*

25271. The Superheater Co., Ld. Improvements relating to regulator valve apparatus for locomotives. *Individual valves arranged in a housing in two inclined rows.*

25292. Imperial Chemical Industries, Ld. Improvements in or relating to the bleaching of textiles. (June 16, 1937). [Addition to No. 24852]. *Treating with a reducing agent perior to bleaching with neutral hypochlorite solution.*

25320. Imperial Chemical Industries, Ld. Improvements in or relating to the bleaching of textiles. (June 16, 1937). [Addition to No. 24852]. *Treating with neutral hypochlorite solution with the exclusion of actinic rays.*

25347. Imperial Chemical Industries, Ld. Improvements in or relating to the bleaching of textiles. (June 28, 1937). [Addition to No. 24852]. *Addition of strong hypochlorite solution and sodium bicarbonate to hypochlorite liquor previously used for bleaching.*

25378. Howard and Bullough, Ld. Improvements relating to roller weighting arrangements in machines for the preparation and spinning of cotton and other textile fibres. (July 6, 1937). *Weight-hook associated with a cam and mounted upon the saddle to be operated in relation thereto in a positively guided fashion.*

25390. W. Reiners. Improvements in the method of winding filaments, and apparatus therefor. *A rotating helical drum with a helical groove having short extensions, in contact with and adapted to traverse the filament.*

25412. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to ultra high frequency amplifiers. *Grounded anode amplifier discharge tube, anode being by-passed to ground through large capacity.*

25425. B. Nier. An improved means for closing the fuel container of a hurricane lantern in an oil-tight manner. *A packing ring and a movable closure plate pressed on to the ring by the burner.*

25430. Telefunken Gesellschaft Fur Drahtlose Telegraphie m. b. H. Improvements in or relating to carrier wave modulating circuit arrangements. *Valve with three grids, the carrier frequency input being applied to a grid adjacent cathode, means for applying modulating frequency applied to grid near anode and modulated output circuit connected to intermediate grid.*

25477. B. Victor and (Miss) E. Ward. An improved composition for use in buildings and general purposes. *Mixing strong solution of $Mg\ Cl_2$ with 85% $Mg\ O$, 10% $Fe_2\ O_3$, 5% C and 60 to ·70% wood shavings.*

25482. F. Christen. Improvements in and relating to magnesium alloys. (February 8, 1938). *Alloy containing 33-40% Al, 23·5 to 16·5% Zn, 17·5 to 14·5% Cu, 3-6% Mn, 1-3% Ni, 6-4% Co, 0·5 to 0·9% Cr, 0·5-0·1% Mo, and 15% Mg.*

25483. Imperial Chemical Industries, Ld. Improvements in or relating to the bleaching of textiles. (August 4, 1937). *Treating at about 20°C with hypochlorite solution in neutral condition without buffer jamaterial containing 1·5 to 5·0 grams of available chloneir per litre.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8. Hastings Street, Calcutta, at one rupee each:—

24178. Dr. Maier.
24394. Brandwood.
24480. Preservators, Limited and Ryner.
24492. Travancore Minerals Company, Ld.
24493. Radio Corporation of America.
24576. The General Electric Co., Ld.
24594. The General Electric Co., Ld.
24683. Crompton Parkinson, Ld.
24694. The General Electric Co., Ld.
24702. Gardiner's Conveyors, Ld.
24804. Osterreichische Glasfabriken Und Raffinerien Josef Inwald A. G.
24839. Maschinenfabrik Esslingen.
24992. International General Electric Co., Inc.
25086. Ghosh.
25119. The General Electric Co., Ld.
25207. Weber.
25239. James A. Jobling & Co., Ld.
25243. The British India Corporation, Ld.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30 should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

24094. Remfry.
24826. British & Dominions Feralloy, Ld.
24920. Bennett (Hyde), Ld.
24948. Stewarts and Lloyds, Ld.

Patents Sealed.

23555. Jefferies and Peirce, Leslie & Co., Ld.
23993. The Raleigh Cycle Co., Ld., and Rawlings.
24017. Standard Telephones and Cables, Ld.
24172. Wright.
24222. Ahmad.
24450. The General Electric Co., Ld.
24577. Remfry.
24693. J. Halden & Co., Ld., and Holden.
24734. The English Electric Co., Ld.
24788. Kershaw and Westinghouse Brake & Signal Co., Ld.
24850. International Conbustion, Ld., and Harlow.
24859. Wagner.
24861. The General Electric Co., Ld.
24871. Fraser and Douglas Fraser and Sons, Ld.
24900. McWilliam, Goodman and McLeod & Co., Ld.

Amendment Proceedings.

14110. The request for amendment of the application and the specification in respect of the above-numbered patent, which was advertised in the *Gazette of India*, Part II, dated the 18th June 1938, has been refused.

Rectification of the Register of Patents.

The application which was made under Section 64 of the Indian Patents and Designs Act, 1911, for rectification of the Register of Patents in respect of patent No. 24325, and advertised in the *Gazette of India*, Part II, dated the 27th August 1938, has been allowed. The Register of Patents has been rectified accordingly.

Renewal Fees Paid.

PATENTS.

11827. The Corporation of Chemische Fabrik Griesheim-Elektron (altered To I. G. Farbenindustrie Aktiengesellschaft). (To 10th November 1939).

12746. Svenska Aktiebolaget Gasaccumulator. (To 17th November 1939).

12850. Caals. (To 26th October 1939).

14939. Rawlplug Co., Ld. (To 23rd November 1939).

15030. Aluminium Co. of America. (To 19th November 1939).

15095. Fried. Krupp Grusonwerk Aktiengesellschaft. (To 20th January 1940).

15118. Brooke Bond India, Ld., and anr. (To 11th December 1939).

15121. Brooke Bond India, Ld., and anr. (To 13th December 1939).

16133. Wrench. (To 1st November 1939).

16456. Danner. (To 18th November 1939).

16508. Standard Telephones & Cables, Ld., and anr. (To 20th December 1939).

16536. Standard Telephones and Cables, Ld. (To 16th December 1939).

16588. Frosted Food Co., Inc. (To 6th January 1940).

16595. The General Electric Co., Ld. (To 4th December 1939).

17426. Chemical Reactions, Ld. (To 22nd October 1939).

17502. Electrolux, Ld. (To 29th October 1939).

17592. John Levick, Ld., and anr. (To 1st December 1939).

17644. Standard Telephones & Cables, Ld. (To 22nd December 1939).

17783. The General Electric Co., Ld. (To 30th December 1939).

18382. E. I. Du Pont De Nemours & Co. (To 28th September 1939).

18458. Warsop. (To 19th November 1939).

18469. Radio Corporation of America. (To 2nd November 1939).

18495. Flesselles. (To 14th November 1939).

18539. Novadel, Ld., and anr. (To 6th January 1940).

18557. Hassing. (To 8th December 1939).

18565. Standard Telephones & Cables, Ld. (To 14th December 1939).

18710. Dr. Gminder. (To 4th November 1939).

19384. Universal Oil Products Co. (To 14th November 1939).

19426. Svenska Aktiebolaget Gasaccumulator. (To 29th November 1939).

19443. Farbridge. (To 11th January 1940).

20301. Malik and anr. (To 16th October 1939).

20302. N. V. Philips' Gloeilampenfabrieken. (To 16th October 1939).

20340. Tastenhoye. (To 30th October 1939).

20368. Duncan Stewart & Co., Ld., and anr. (To 9th November 1939).

20409. Bellingham. (To 8th December 1939).

20414. Lindars. (To 27th November 1939).

20415. Vacseal Contains, Ld. (To 27th November 1939).

20416. Universal Oil Products Co. (To 27th November 1939.

20444. Paterson. (To 10th December 1939.)

20468. Repart and anr. (To 18th December 1939).

20529. The General Electric Co., Ld. (To 14th December 1939).

20645. J. Stone & Co., Ld. (To 10th March 1940).

21198. Mistri. (To 22nd September 1939).

21266. Normelli. (To 24th October 1939).

21295. Normelli. (To 29th October 1939).

21364. Svadling. (To 12th November 1939).

21375. The General Electric Co., Ld. (To 1st December 1939).

21396. Prof. Dr. Atzler. (To 26th November 1939).

21416. Papercrete, Ld. (To 3rd December 1939).

21423. The General Electric Co., Ld. (To 14th December 1939).

21425. Gottschalk. (To 3rd December 1939).

21463. Shimwell. (To 14th December 1939).

21469. The General Electric Co., Ld. (To 19th December 1939).

21562. Bleeck. (To 6th November 1939).

21914. Svenska Aktiebolaget Gasaccumulator. (To 9th November 1939).

22033. Thomas. (To 5th December 1939).

22128. The Lightfoot Refrigeration Co., Ld. (To 30th November 1939).

22182. Lange. (To 18th October 1939).

22287. Vereinigte Deutsche Metallwerke Aktiengesellschaft. (To 13th December 1939).

22335. Clark and anr. (To 5th November 1939).

22418. Molins and anr. (To 20th December 1939).

Cessation of Patents.

9485. Austin and anr.

14589. Toyodashiki Shokki Kabushiki-Kaisha.

16007. Wolman.

16026. The Barrett Co.

21011. Dr. Ruzicka.

21012. Gibbon and ors.

21019. The English Electric Co., Ld.

21026. Singh.

21157. Beldam.

21646. Knetemann.

21990. Thorp.

22012. Banning-Lover and ors.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets :—

Class 1. No. 63579. C. A. Sumair & Co., of New Road, Delhi. July 22, 1938.

Class 3. No. 63811. The Dunlop Rubber Company (India), Ld., of No. 57-B, Free School Street, Calcutta, British India. (May 28, 1938).

Class 4. No. 63831. Satyendra Nath Sett, of 58/1, Pathuria Ghat Street, Calcutta, Bengal, British India. September 20, 1938.

Class 13. Nos. 63698 and 63699. The Ahmedabad Manufacturing & Calico Printing Company, Limited of Ahmedabad, Bombay Presidency, British India. September 5, 1938.

Class 13. Nos. 63829 and 63830. The Indian Bleaching, Dyeing & Printing Works, Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. September 20, 1938.

Class 13. Nos. 63832 to 63834. The Ahmedabad Manufacturing and Calico Printing Company, Limited, Ahmedabad, British India. September 22, 1938.

Class 13. No. 63849. The Standard Mills Co., Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. September 26, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of the entry is the date of registration of the design included in that entry :—

Class 1. Nos. 57362 to 57365. Godrej & Boyce Manufacturing Co., Ld., of Lalbaug, Parel, Bombay, British India. November 7, 1933.

Class 1. No. 57720. Wilson & Co., of 5/8, Jehanghir Street, Georgetown, Madras, British India. January 24, 1934.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days Saturdays ;

and 11 a.m.t 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . . .	Indian Institute of Science.
Do. . . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . . .	Office of the Director of Industries.
CALCUTTA . . .	Patent Office, No. 1, Council House Street.
CAWNPORE . . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . . .	Punjab Public Library.
LUCKNOW . . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
MADRAS . . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.) . .	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON . . .	Office of the High Commissioner for India, India House. Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

NOTIFICATION.

Calcutta, the 21st October 1938.

No. 2237-P.—Dr. S. Venkateswaran, Examiner of Patents, is granted leave on average pay for 20 days with effect from the 24th October 1938.

K. RAMA PAI,

Controller of Patents and Designs.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

The following is a statement of the cash balances of the Central Government on the last day of September 1938 :—

	Rs.
(1) At the Reserve Bank of India in India	11,84,35,000
(2) At treasuries in India . .	20,55,000
(3) In England (Sterling converted at 18*d*. the rupee) . .	88,67,000
Total .	12,93,57,000

A. C. GUPTA,

Accountant General, Central Revenues.

NEW DELHI :

The 20th October 1938.

RESERVE BANK OF INDIA.

NOTICE.

In connection with the election of five members to the Local Board of the Reserve Bank of India, Northern (Delhi) Area to be held on the 15th November 1938 at the Diwan Hall, Chandni Chowk, Delhi, it is hereby notified that subject to any subsequent declaration under Regulation 4A of the Regulations for Elections, the undernoted gentlemen have been validly nominated as candidates for election as members of the Local Board :—

Name.	Address.
1. Rai Bahadur Pundit Balak Ram Pandya.	Vidya Nivas, Chamberlain Road, Lahore.
2. Mr. Murari Lal Chowla.	Barrister-at-Law, 99-D, Model Town, Lahore.
3. Mr. Satya Paul Virmani.	The Jawala Flour Mills, Amritsar.
4. Mr. Shambu Lal Puri .	Barrister-at-Law, 15, Fane Road, Lahore.
5. Mr. Shrinivas . .	Durgakund, P. O. Lanka Benares City.
6. Lala Shri Ram . .	20/22, Curzon Road, New Delhi.

By order of the Local Board,
Northern (Delhi) Area,

J. N. AHUJA,

Secretary.

RESERVE BANK OF INDIA,
DELHI ;

Dated the 25th October 1938.

IMPERIAL BANK OF INDIA.

NOTICE.

Calcutta, the 19th October 1938.

The following appointment on the Bank's staff is hereby notified :—

Mr. H. Douglas resumed charge of his appointment of Agent, Karachi Branch, as from the close of business on the 13th October 1938, *vice* Mr. J. P. R. Lees.

B. A. C. NEVILLE,

Dy. Managing Director.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona 5, the 18th October 1938.

No. G.-27848/P.-101.—Dr. B. N. Desai, B.A. (Hons.), LL.B., M.Sc. (Bom.), Ph.D., D.Sc. (Edin.), F.R.S.E., Assistant Meteorologist, on being relieved of his duties at the Meteorological Office, Karachi, on the forenoon of the 8th October 1938, was transferred to the Upper Air Observatory, Agra.

Poona 5, the 19th October 1938.

No. G.-28018/P.-112.—Mr. S. P. Venkiteshwaran, B.A. (Hons.) (Madras), Assistant Meteorologist, on being relieved of his duties at the Upper Air Observatory, Agra, on the forenoon of the 8th October 1938, was transferred to the Meteorological Office, Poona.

S. K. BANERJI,

for Director-General of Observatories.

OFFICE OF THE DIRECTOR OF CIVIL AVIATION IN INDIA.

NOTIFICATION.

New Delhi, the 26th October 1938.

No. E.B.-15.—In continuation of this office Notification No. E.B.-15, dated the 24th August 1938, Mr. J. K. Karanjia, Assistant Aerodrome Officer, Cawnpore, is granted an extension of earned leave for 30 days.

F. TYMMS,

Director of Civil Aviation in India.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 24th October 1938.

No. 1642.—Mr. A. R. J. Dalziel, Head Engraver, is granted under the Fundamental Rules leave out of India on average pay for three months and one day with effect from the 23rd September 1938. He is permitted to affix to the leave the X'mas and New Year's Day holidays from the 24th December 1938 to the 2nd January 1939.

C. G. LEWIS,

Brigadier,

Surveyor General of India.

SURVEY OF INDIA.

List of maps published during the month of September 1938.

GEOGRAPHICAL, GENERAL AND SPECIAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Description.	Year of survey.	Date of edition.	Number of sheets.	Size in inches.	Price per set. Coloured.	Price per set. Uncoloured.	Remarks.
					Rs. AS.	Rs. AS.	
GENERAL MAPS.							
(Scale 1 inch to 50 miles.)							
*Map of India and Adjacent Countries.	..	1937	4	59×54 (complete map).	8 0	4 0	Provisional Issue.

* This supersedes items Nos. 21 and 22 of Appendix 1 of the Map Catalogue.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Index Number.	District, etc.	Year of survey.	Date of edition.	Price.	Remarks.
				Rs. AS.	
	1. QUARTER-INCH MAPS.				Underlining for Map Catalogue :—
	(Scale 1 inch to 4 miles.)				(a) Double red line.
35 G	"Kanrāch"	1891-93	1938	1 8	2nd Edition.
64 F	"Kawardha" . . .	1930-32	1937	1 8	(a)
	2. ONE-INCH MAPS.				
	(Scale 1 inch to 1 mile.)				
35 $\frac{M}{8}$	Part of Dādu District . .	1935-36	1938	1 8	(a)
39 $\frac{D}{7}$	Parts of Sibi District and Kalāt State and Upper Sind Frontier District.	1934-35	1938	1 8	(a) Complete map.
*39 $\frac{I}{6}$	Part of Dera Ismāil Khān District.	1908-09	1938	1 8	Second Edition.
*39 $\frac{I}{14}$	Parts of Dera Ismāīl Khān and Miānwāli Districts.	1908-09	1938	1 8	Second Edition.
39 $\frac{K}{15}$	Parts of Muzaffargarh District and Bahāwalpur State.	1936-37	1938	1 8	Third (Revised) Edition.
*43 $\frac{H}{6}$	Parts of Gujrāt and Jhelum Districts.	1909-10 (corrected 1933)	1938	1 8	Ditto.
*44 $\frac{O}{12}$	Parts of Hissār District and Bīkaner State.	1935-36	1938	1 8	Ditto.
†‡45 $\frac{D}{10}$ and parts of 45 $\frac{D}{14}$ and $\frac{D}{6}$ (Old Bombay sheet No. 116).	Parts of Pālanpur and Sirohi States.	1883-84	1938	1 8	Reprinted with additions and corrections.

* Gridded copies of these maps can be supplied at annas three per copy extra.

† Gridded copies of this map can be supplied at annas six per copy extra.

‡ Complimentary copies of this map will not be issued.

List of maps published during the month of September 1938.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta—*contd.*

Index Number.	District, etc.	Year of survey.	Date of edition.	Price. Rs. As.	Remarks.
					Underlining for Map Catalogue :—
	2. ONE-INCH MAPS—*concld.*				(*a*) Double red line.
	(*Scale 1 inch to 1 mile.*)				
55 J/16	Part of Chhindwāra District	1913-14	1938	1 8	Second Edition.
*57 H/3	Parts of Coimbatore, Bangalore and Mysore Districts.	1912-13	1938	1 8	Second Edition.
64 H/3	Parts of Drug District and Kānker State.	1936-37	1937	1 8	(*a*)
65 I/4	Parts of Bastar State and Koraput District.	1936-37	1937	1 8	(*a*)
66 C/8	Parts of Chingleput and Madras Districts.	1915-16	1938	0 12	Third Edition.
72 O/10	Part of Purnea District	1936-37	1937	1 8	(*a*)
72 O/12	Parts of Purnea and Santāl Parganas Districts.	1936-37	1937	1 8	(*a*)
72 O/13	Part of Purnea District	1936-37	1938	1 8	(*a*)
72 O/16	Parts of Mālda, Purnea and Santāl Parganas Districts.	1936-37	1938	1 8	(*a*)
*79 I/5	Part of Dacca District	Various	1938	1 8	Preliminary Edition.
†93 D/8	Parts of Yamethin District and Southern Shan States.	1925-27 1936-37	1937	1 8	(*a*)
†93 F/12 and parts of 93 F/16 and F/8 (old Burma Sheet No. 381).	Parts of Northern and Southern Shan States	1897-98	1938	1 8	Reprinted with additions and corrections.
†94 L/4	Part of Amherst District	1923-24	1938	1 8	Second Edition.

* Gridded copies of these maps can be supplied at annas three per copy extra.

† Copies of these maps are obtainable from the Curator, Government Book Depot, Rangoon, Burma.

Stock copies of the following maps were gridded during the month :—

38 L/16, 57 L/5 and 56 G/NE.

The following was also published during the month and is obtainable from the Director, Geodetic Branc Survey of India, Dehra-Dūn :—

Tide Tables of Indian Ocean for 1939.

C. G. LEWIS, Brigadier,
Surveyor General of India.

IMPERIAL LIBRARY.

(Government of India.)

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K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 29th October 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines

ROYAL INDIAN NAVY.

NOTIFICATION.

LEAVE.

Bombay, the 20th October 1938.

No. 62.—Lieutenant-Commander St. J. A. D. Garniss, R.I.N., is granted 19 months' absence from India, from 15th October 1938. The first 3 months will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

HERBERT FITZHERBERT,
Rear-Admiral,
Flag Officer Commanding,
Royal Indian Navy.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 18th October 1938.

No. 1-An.—Mr. J. N. Dutt, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, has been granted combined leave *ex*-India for 10 months with effect from the 26th September 1938, consisting of privilege leave for the first 4 months, furlough on full average salary for the next 4 months, and furlough on half average salary for the remaining period.

New Delhi, the 19th October 1938.

No. 3-An.—Mr. B. Srinivasa Aiyar, an accountant in the office of the Controller of Military Accounts, Western Command has been appointed to officiate as a Deputy Assistant Controller of Military Accounts in that office with effect from the 8th October 1938.

New Delhi, the 20th October 1938.

No. 114-An.—Mr. W. C. S. Spiers, an officer in class II of the superior staff of the Military Accounts Department has been granted by the High Commissioner for India an extension of furlough on full average salary for the 20th October 1938.

New Delhi, the 24th October 1938.

No. 4-An.—Mr. Pokhar Dass, an officiating Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions, reverted to his substantive grade, with effect from the afternoon of the 15th October 1938.

New Delhi, the 25th October 1938.

No. 4-An.—Mr. A. K. Biswar, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions is granted an extension of privilege leave for 7 days in continuation of the leave granted to him in this Department notification No. 4-An., dated the 16th July 1938 published in the *Gazette of India,* Part II, dated the 23rd July 1938. He is permitted to affix Sunday the 16th October 1938 to this leave.

No. 5-An.—The undermentioned Deputy Assistant Controllers of Military Accounts in the office of the Controller of Military Accounts, Southern Command have been granted privilege leave as shown against each:—

Mr. H. A. Rodrignes	From the 25th October 1938 to the 23rd December 1938 with permission to prefix the gazetted holidays from the 22nd to the 24th October 1938 and affix the Christmas and New Year holidays.
Mr. R. L. Simpson, M.B.E.	From the 7th November 1938 to the 6th January 1939 with permission to prefix Sunday the 6th November 1938.

New Delhi, the 27th October 1938.

No. 1-An.—In partial modification of this Department Notification No. 1-An. (a), dated the 10th August 1938 published in the *Gazette of India,* Part II, dated the 20th August 1938, Mr. V. V. Joshi, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command was granted combined leave for one month and 23 days with effect from the 8th August 1938, consisting of privilege leave for one month and 8 days and furlough on half average salary for the remaining period. He was permitted to affix the Dussehra holidays from the 1st to the 4th October 1938 to this leave.

M. R. COBURN,
Military Accountant General.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 14th October 1938.

No. S.-107/18.—Mr. B. D. Sud, Assistant Divisional Engineer, Telegraphs, Surat, is granted earned leave for 30 days with effect from the 24th October 1938 or from any subsequent date of his relief.

New Delhi, the 20th/21st October 1938.

No. S.-177/9.—Mr. J. A. Lazaro, an officer of the Telegraph Traffic Service, Class II, attached to the Madras Circle, is permitted to retire from service with effect from the 30th November 1938.

New Delhi, the 21st October 1938.

No. S.-77/12.—Mr. J. Pratt-Johnson, Deputy Postmaster-General, is granted leave on average pay out of India for four months with effect from the 12th November 1938.

New Delhi, the 26th October 1938.

No. S.-177/6.—The following Postmasters, grade A, are permitted to retire from service with effect from the date noted against each:—

1. Mr. A. M. Querpis—16th November 1938.
2. Khan Sahib H. Sorabjee—19th November 1938.
3. Mr. Gulab Singh Kapur—9th December 1938.

G. V. BEWOOR,
Director-General of Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 22nd September 1938.

No. 11023-C. T./2-E./40.—Mr. S. J. Ahmed, M.A., Income-tax Officer, District VA, Calcutta, is allowed under Fundamental Rule 81(b)(ii) leave on average pay for 1 month with effect from the 10th October 1938, with permission to prefix the Durga and Lakshmi Puja holidays from the 28th September 1938 to the 8th October 1938 and Sunday, the 9th October 1938 to the leave.

Calcutta, the 26th September 1938.

No. 11341A.-C. T./2-E./43.—Mr. Abdul Aziz, M.A., Additional Income-tax Officer, District I(2), Calcutta is allowed under Fundamental Rule 81(b)(ii), leave on average pay for 12 days with effect from the 10th October 1938 to the 21st October 1938 with permission to prefix the Durga and Lakshmi Puja holidays from the 28th September 1938 to 8th October 1938, and Sunday, the 9th October 1938 and to affix the Kali Puja holiday on the 22nd October 1938 and Sunday, the 23rd October 1938 to the leave.

Calcutta, the 12th October 1938.

No. 11535-C. T./2-E./37.—Mr. G. Rahman, M.A., Additional Income-tax Officer, Dacca is allowed under Fundamental Rule 81(b)(ii), leave on average pay for 22 days with effect from the 10th October 1938 to the 31st October 1938 with permission to prefix the Durga Puja and Lakshmi Puja holidays from the 28th September 1938 to the 9th October 1938 and affix Jagadhwarti Puja holidays from the 1st November 1938 to the 2nd November 1938 to the leave.

S. N. BANERJEA,
Commissioner of Income-tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 19th October 1938.

No. E. P.-446.—Mr. J. M. Fenton, Executive Engineer has been granted privilege leave for 95 days combined with 3 months and 28 days furlough on half pay to Europe with effect from the 25th October 1938 or subsequent date of relief.

Calcutta, the 24th October 1938.

No. O. P. E.-418/5.—Mr. J. N. Das, Assistant Superintendent, Junior Scale, Transportation (Traffic) and Commercial Departments has been granted 81 days privilege leave in India with effect from the 1st October 1938.

J. A. BELL,

General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 24th October 1938.

No. 29.—Mr. F. R. T. Connell, Officiating Distt. Traffic Superintendent is granted leave on half average pay for 12 months, with effect from the 8th November 1938 or subsequent date of relief.

L. W. VAN SOMEREN,

Traffic Manager.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 18th October 1938.

No. 109.—Mr. L. E. Brock, Divisional Superintendent, is granted an extension of leave on average pay for one day, *viz.*, 26th September 1938, in continuation of the leave already granted to him *vide* this office Notification No. 77, dated 13th July 1938.

No. 110.—Mr. B. C. Basu, Officiating Executive Engineer, Signals, is granted leave on average pay for one month with effect from 17th October 1938.

Lahore, the 25th October 1938.

No. 112.—Mr. M. A. Siddiqi, Asstt. Transportation Officer, is granted leave on average pay for 2 months with effect from 15th October 1938 or subsequent date of relief.

C. F. CARSON,

Colonel,

General Manager.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 24th October 1938.

No. 119-P.—Captain A. D. Campbell, I.M.D., 1st Assistant Port Health Officer, Calcutta, is granted combined leave for twelve months (on average pay for 4 months and military furlough for 8 months) pending retirement with effect from the 7th May 1938. The grant of military furlough for 8 months has been concurred in by the Director of Medical Services in India.

No. 120-P.—The services of 3rd class Assistant Surgeon G. B. Smart, I.M.D., are temporarily placed at the disposal of the Port Health Officer, Calcutta, for employment as 1st Assistant Port Health Officer with effect from the 2nd May 1938.

New Delhi, the 27th October 1938.

No. 6/81/38/10-G.—Mr. P. M. Sundaram, B.A., a Superintendent in the Imperial Council of Agricultural Research Department, has been appointed as Officer Supervisor in this office with effect from the forenoon of the 3rd August 1938.

E. W. C. BRADFIELD,

Major-General, I.M.S.,

Director-General, Indian Medical Service.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, NOVEMBER 5, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 22nd October 1938.

On and after the 22nd October 1938, and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 5th November 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

October 24, 1938.

25798. A. Budu. Lotus electric lamp.

25799. H. E. Collier. Lubricating channels in fish plates and fish plate locking nuts and bolts.

25800. R. Dewas. Improvements in and relating to needle weaving looms. (November 19, 1937.) [Addition to No. 23687.]

25801. Heenan & Froude Limited. Improvements in apparatus for exposing liquids to direct contact with air or gas.

25802. Standard Telephones and Cables Ltd. Improvements in or relating to telecommunication systems. (January 25, 1938.)

25803. I. G. Farbenindustrie Aktiengesellschaft. Process for the continuous purification of carbon disulphide.

25804. B. R. Harris. Process for the preparation of salts of sulpho-carboxylic acid esters of alcohols.

25805. Goslin-Birmingham Manufacturing Company Inc. Improvements in or relating to a drum type continuous filters.

October 25.

25806. A. K. Datta. Improvements in or relating to manufacture of cementing materials.

25807. K. Sakamoto. Traverse motion mechanism of drum winders.

25808. Kabusiki—Kaisa Takeda—Chobei Shoten. Preparation of vitamin B1 and its analogous substances.

25809. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of therapeutically active arsonic acids. (October 26, 1937.)

25810. I. G. Farbenindustrie Aktiengesellschaft. Process for the manufacture of quinoline compounds. (September 22, 1938.)

25811. H. W. Cox, R. R. Kirby & A. Robertson. Improved process and apparatus for crushing cell breaking and expressing juices from green tea leaf in the process of manufacture.

25812. H. W. Cox, R. R. Kirby & A. Robertson. Improved machine for crushing and cell breaking of green tea leaf.

25813. M. A. Rahim. New cement.

October 26.

25814. International General Electric Co. of New York Ltd. Improvements in and relating to vitreous stems for electrical devices.

25815. International General Electric Co. of New York Ltd. Improvements in and relating to methods of sealing vitreous receptacles.

25816. International General Electric Co. Inc. Improvements in or relating to high voltage apparatus.

25817. The Ardor Engineering Co., Ld. Improvements in or relating to heat insulation. (October 27, 1937.)

25818. R. Namiki. Improvements in fountain-pens. (February 21, 1938.)

25819. D. H. Remfry. A new or improved degreasing composition and process of manufacture thereof.

October 27.

25820. W. H. McLean. Improvements in or relating to magnetic separators. (October 28, 1937.)

25821. O. F. Maclaren. Improvements relating to aircraft undercarriages. (October 22, 1937.)

25822. The Linde Air Products Company. Improvements in blowpipes. (September 20, 1938.)

25823. Dr. Madaus & Co. Process for the manufacture of liquids for print spraying apparatus.

October 28.

25824. Stewarts and Lloyds Limited. Improvements in or relating to a method of and apparatus for the manufacture of metal tubes and other tubular articles. (April 20, 1938.)

25825. M. Demeulenaere. Improvements in totaliser devices for cash register and like machines.

25826. A. A. Gohn. Mounting structure for the power units of airplanes.

Alteration of Date.

24907. The claim to priority date 15th February 1937 has been abandoned and the application dated as of 4th February 1938, the date of filing in India.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24355. V. G. Lava. Improvements in and relating to the recovery of vegetable oils e.g., cocoanut oil. *Pressing mixture of comminuted cocoanut and water and separating the oil from the emulsion.*

24532. N. Phillips. Improvements in or relating to the securing of railchairs to sleepers. (October 12, 1936.) *Filling Sleeper hole with plug, forming screw-threaded bore therein and screwing chair-securing screw.*

24574. K. B. Chishty & Sons. Improvements in or relating to oil expellers. *Ring of greater radial thickness than the depth of the groove so as to engage partly by the shaft and partly by the bush.*

24590. Asa Singh. Improvements in or relating to sieves for husking machines. *Series of bent strips secured to each other by rods or bolts.*

24662. W. J. Pereira. The compact rowing apparatus for exercise. *One or more springs mounted on frame by means of wire loops and pulley fittings.*

24701. H. A. Blackwell and W. L. Turner. An improved process for separating elements from their ores or compounds. (December 10, 1936.) *Mixture of ores and graphitic carbon heated in vacuum.*

24881. N. V. Handelmaatschappij "Helga". Improved sleepers for railways. *Partly tapering passage extending through the concrete sleeper to accommodate threaded conical coupling spindles.*

24907. E. R. Mountstephen, W. J. Wood and A. G. Spence. Improvements in automatic burglar, fire or like alarms. *Alarm transmitted over telephone circuit, provision being made for transmitting alternative messages according as fire or burglary occurs.*

24917. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to electron discharge devices. *Curved conductive anode, a cathode with emissive surface equidistant from ends of anode and facing concave face and focussing electrode.*

25009. Mefina S. A. Improvements in and relating to safety mechanism for clockwork time fuzes for projectiles. *Automatic locking of the safety bolt against accidental release by the time controlling member.*

25186. W. A. Holker. Table game apparatus. *Triangular or hexagonal board and similar counters, board having four differently coloured groups of spaces, one centrally arranged and others surrounding it.*

25238. D. S. Kennedy. Improvements in and relating to overall chains or girdles for road vehicle wheels. (March 25, 1938.) *Shoe having transverse twisted element extending across tyre tread and inner protective bar.*

25273. Metallgesellschaft Aktiengesellschaft. Process for synthesising hydrocarbons. *Catalytic conversion of oxides of carbon and hydrogen in which the gas through put is greater than 1 litre per hour per gram of catalyst, the heat load does not exceed 500* $\sqrt[3]{P}$ *kilo calories per hour and the time of stay of the gas is greater than 45 seconds.*

25278. The Indian Hume Pipe Co., Ld. Improvements in and relating to machines for fabricating hollow articles of concrete and the like. *Centrifugal machine comprising drum capable of rapid rotation and having elastic or spring buffers projecting inwards from inner surface thereof to engage mould.*

25288. The General Electric Co., Ld. Improvements in sealing metallic bodies hermetically through vitreous walls. (June 14, 1937.) *In which the metallic conductor is a crinkled strip.*

25327. Gesellschaft fur nautische und tiefbohrtechnische Instrumente mit beschraenkter Haftung and Professor Dr. O. Martienssen. Improved arrangement for measuring the local specific resistance of the strata around a bore hole. *Measuring electrode of the same length as its diameter.*

25362. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to ultra high frequency apparatus. *Having in combination a stabilising resonant line and means for changing frequency of said line to modulate oscillations in high frequency circuit.*

25382. Lock Joint Pipe Co. Improvements in or relating to pipe joints. [Addition to No. 21070.] *Spigot and bell joint with gasket as in specification No. 21070 but without flared extension inside the bell.*

25385. Automatic Telephone & Electric Co. Ld. Improvements in automatic switches for use in telephone or like systems. (July 27, 1937.) *In two directional step-by-step switch, the primary movements of the wipers is effected in response to alternate impulses only of the first digit.*

25395. The Amplilux Lighting and Illumination Co. Ld. Improvements in or relating to light distributing devices. (July 16, 1937.) *Glass shade of tubular shape with its upper end transparent and lower end having an annular rim adapted to reflect light away from the top.*

25406. Nippon Filmon Kabusiki Kaisya. A gramophone for playing records of an endless film. *Hollow reel for rotatably supporting record film and a positively driven feed drum at an inclination.*

25407. Nippon Filmon Kabusiki Kaisya. A process for manufacturing an endless-film record for sound reproduction. *Transferring sound groove to a strip of plastic material and then joining the ends of strip.*

25409. Epeda-Werke Rudolf Platte. Improvements in or relating to spring fillings for mattresses or the like. (June 2, 1938.) *Adjacent springs wound in opposite senses but of same pitch, connected by clips performing the function of hinges.*

25442. The Mirrlees Watson Co. Ld., and N. B. Bach. Improvements relating to apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices and similar liquors. (July 14, 1937.) *A thick film of oil non-volatile and impervious to gases floating on the liquor surface to isolate the liquor from the atmosphere.*

25443. The Mirrlees Watson Co. Ld., and N. B. Bach. Improvements relating to apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices and similar liquors. (July 14, 1937). *Scrapers chains for engagement with the trays and the tank base.*

25444. The Mirrlees Watson Co. Ltd., and N. B. Bach. Improvements relating to apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices, and similar liquors. (July 14, 1937). *A steam nozzle directed into the tank in the region of mud accumulation with a valve operated periodically by a shaft.*

25445. The Mirrlees Watson Co. Ld., and N. B. Bach. Improvements relating to apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices, and similar liquors. (July 14, 1937). *Flash tank associated for maintaining constant liquid level and separating at least some of the scums.*

25446. The Mirrlees Watson Co. Ld., and N. B. Bach. Improvements relating to apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices, and similar liquors. (July 14, 1937). *A plurality of chambers in communication with the source of juice supply and mounted in spaced relationship with main delivery outlet at the bases.*

25452. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to high frequency circuit arrangements. (July 15, 1937.) *Thermionic amplifier in which output and input circuits are tapped upon a line adjusted to have standing waves set up therein.*

25473. Pilkington Brothers Ld. Improved process and apparatus for tempering tubular glass articles. *Inner surface cooled by a stream parallel to the bore and directed alternately from two ends and outer surface by stream at right angles.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23954. H. A. Brassert & Coy. Ltd.
24396. Stacom Process Corporation.
24398. Shri Ram and Prof. Bhatnagar.
24427. Dr. Van Aalst.
24469. Nasmith.
24472. Intensive Cultivations Limited.
24508. Kirloskar Brothers Limited.
24522. Forest and Pinchin Johnson & Co. Ld.
24605. I. G. Farbenindustrie Aktiengesellschaft.
24751. Societe Anonyme Stabilimenti Di Dalmine.
24799. Societe Internationale De Participations Industrielles Et Commerciales, Societe Anonyme.
24937. Kalinowski.
24979. Biswas.
24986. The General Electric Co. Ld.
25026. Boll.
25062. Robinson.
25144. Thomas Summerson & Sons Ltd. and Wrightson.
25308. The Buell Combustion Co. Ld.
25455. The General Electric Co. Ld.
25602. Glareless Lamps Ld.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23950. The Gaurdite Corporation.
24022. Broadfield.
24106. Callenders' Cable and Construction Co. Ld.
24142. Pross and Baldus.
24182. Marconi's Wireless Telegraph Co. Ld.
24271. Shrimati Rup Kaur.
24281. Ridley.
24315. I. G. Farbenindustrie Aktiengesellschaft.
24403. Office General De La Cinematographic Francaise and Blum.
24481. Ateliers Neyret-Beylier & Piccard-Pictet.
24614. Freeman.
24705. The General Electric Co. Ld.
24741. Dunlop Rubber Co. (India) Ld.
24744. Ajit Singh.
24771. Pilkington Brothers Ld.
24813. Binny & Co. (Madras) Ld.
24860. Burn & Co. Ld. and Chestney.
24889. Societe de Prospection Electrique, Procedes Schlumberger.
24897. Revri.
24911. L. Gardner & Sons, Ld.
24922. Paul.
24928. Watson.
24941. Ahmad.
24943. Roy and Marklew.
24954. McWilliam, Goodman and McLeod & Co., Ld.
24977. Baksh.
24978. McWilliam, Goodman and McLeod & Co., Ld.
24985. H. A. Brassert & Co., Ld.
24996. The Minster Linen Process Co. Ld.
25005. Societe D'Etudes Et Applications Industrielles.
25010. Seailles.
25014. McWilliam, Goodman and McLeod & Co. Ld.
25030. British Smokeless & Oil Fuels Ld.
25031. Fraser and Douglas Fraser & Sons Ld.
25218. Pomilio.
25219. Pomilio.

Patents Sealed.

23021. Pai.
23605. Karanjkar.
23703. The General Electric Co., Ld.
23766. The General Electric Co., Ld.
23864. Marconi's Wireless Telegraph Co., Ld.
24023. Varshney.
24033. Dr. Szego.
24035. Machines Pty. Ltd.
24062. Bruecker.

24071. Rostron & Mrs. Rostron.
24074. Michaelis.
24087. Dewey & Almy Chemical Co.
24119. Standard Oil Development Co.
24148. Rolls Razor Ld.
24181. Marconi's Wireless Telegraph Co., Ld.
24185. Vanadium Corporation of America.
24212. Pescara.
24289. van Reesema.
24307. Shepherd and Shepherd's Industries Ld.
24312. International General Electric Co., Inc.
24329. Masterman.
24377. Knoll. A. G. Chemische Fabriken.
24386. International General Electric Co., Inc.
24401. Office General de la Cinematographic Francaise.
24402. Office General de la Cinematographic Francaise.
24502. The Linde Air Products Co.
24504. Thermit G. m. b. H.
24512. Bird & Co.
24583. The Western States Machine Co.
24586. Shanks & Co. Ltd. and Shanks.
24601. Mountstephen, Wood & Spence.
24646. The Easter Engineering Co.
24657. "Sachtleben" Aktiengesellschaft Fur Bergbau Und Chemische Industrie.
24684. Watson.
24711. Universal Oil Products Co.
24750. I. G. Farbenindustrie Aktiengesellschaft.
24803. Automatic Telephone & Electric Co., Ld.
24849. Pirie, Appleton & Co., Ld.
24880. Shepherd.
24896. Persson.
24908. McWilliam, Goodman, and McLeod & Co., Ld.
24921. Hugo Schneider Aktiengesellschaft.
24924. Freeman.
24931. Lofts.
24935. Marconi's Wireless Telegraph Co., Ld.
24945. Pintus.
24962. Fowler.
24969. The Mirrlees Watson Co., Ld.
24972. Marconi's Wireless Telegraph Co., Ld.
24973. Marconi's Wireless Telegraph Co., Ld.
24980. C. W. Mine Products Co., Ld.
24982. Dr. Ing. C. Weicken & Co. Kommanditgsellschaft.
25007. Stator Corporation.
25261. F. S. Keer & Co., and Balvalli.

Opposition Proceedings.

The opposition entered by M. G. Pai to the grant of a patent on application No. 24468 made by W. Jefferies and Peirce, Leslie & Co., Ltd. and notified in Part II of the *Gazette of India*, dated the 26th March 1938 has been disallowed. The sealing of the patent will be subject to amendment of the specification.

Amendment Proceedings.

24325. In pursuance of leave granted on the 27th October 1938, the above-numbered application, specification and drawings have been amended in the manner set forth in Part II of the *Gazette of India*, dated the 16th April 1938.

Renewal Fees Paid.

PATENTS.

9819. Societe Anonyme Freins Joardain Monnert (To 12th November 1939).
11803. Dahlberg & Co., Inc. (To 2nd November 1939).
11978. United Water Softeners Ld. (altered to The Permutit Co. Ltd.). (To 11th January 1940).
12637. Kimura. (To 22nd October 1939).
13949. International General Electric Co. Inc. (To 9th January 1940).
13969. International General Electric Co. Inc. (To 16th January 1940).
13970. International General Electric Co. Inc. (To 16th January 1940).
13971. International General Electric Co. Inc. (To 16th January 1940).
15105. International General Electric Co. Inc. (To 16th January 1940).
15195. International General Electric Co. Inc. (To 2nd January 1940).
15232. International General Electric Co. Inc. (To 7th January 1940).
17171. Spencer. (To 4th October 1939).
17486. Chukerbutty. (To 24th October 1939).
17559. Hora. (To 17th November 1939).
17631. Benes Ltd. (To 16th December 1939).
17712. DeBeaufort & anr. (To 19th January 1940).
18476. Societe Anonyme Freins Jourdain Monnert (To 5th November 1939).
18532. The Vacuum Brake Co., Ld. (To 3rd December 1939).
18614. International General Electric Co. Inc. (To 2nd January 1940).
18616. International General Electric Co. Inc. (To 2nd January 1940).
19578. International General Electric Co. Inc. (To 16th January 1940).
20209. Hasan. (To 4th September 1939).
20230. Roto Press Cement Pipe Machines (Export) Ltd. (To 1st December 1939).
20349. Fire-proof Steel Co., Ld. (To 30th October 1939).
20392. I. G. Farbenindustrie Aktiengesellschaft. (To 30th December 1939).
20440. Hughes. (To 8th December 1939).
21222. Fallon. (To 11th December 1939).
21256. Chakravortty. (To 11th October 1939).
21274. Societe Anonyme d'Etudes & de Constructions d'Appareils Micaniquespour la Verrerie. (To 24th October 1939).
21308. Herglotz. (To 30th October 1939).
21321. Burns. (To 5th November 1939).
21377. Spencer & Ors. (To 21st November 1939).
21474. Automatic Electric Co., Ld. (To 17th December 1939).
21510. Kalle & Co. Aktiengesellschaft. (To 2nd January 1940).
22338. Kadenacy. (To 8th November 1939).
22396. Automatic Electric Co., Ld. (To 17th December 1939).
22467. The Quasi-Arc Co., Ld. (To 23rd January 1940).

Cessation of Patents.

10462. Nicholson & Ors.
14608. International General Electric Co., Inc.
14609. International General Electric Co., Inc.
17220. Ledin.
19075. Capt. Kripalani.
20103. Badsha.
20108. Burch & anr.

20112. Ramsden.
21027. Chakradeo.
21029. Executors of James Mills Ltd.
21033. Feremutsch.
21034. Chapman.
21037. Simon.
21835. Long.
21995. King.
22014. British Music & Tennis Strings Ltd. & Ors.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 13 No. 63826. The Ahmedabad Manufacturing & Calico Printing Co., Ltd., of Ahmedabad, Bombay Presidency, September 19, 1938.

Class 13 Nos. 63836 to 63842, 63847 and 63848. The Mafatlal Fine Spg. & Mfg. Co. Ltd. of Navsari, Baroda State. September 24, 1938.

Class 13 No. 63850. The Calico Printers' Association Ltd. of St. James's Buildings, Oxford Street, Manchester, England. September 26, 1938.

Class 13 Nos. 63853 to 63856. The Calico Printers' Association Ltd. of St. James's Buildings, Oxford Street, England. October 11, 1938.

Class 13 Nos. 63857 to 63863. The Standard Mills Co., Ltd. of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. October 11, 1938.

Class 13 Nos. 63864 & 63865. The New Shorrock Spinning and Mfg. Co., Ld. of Nadiad, (Dist.-Kaira), Bombay Presidency, British India. October 11, 1938.

Class 13 No. 63870. B. C. L. Limited. of Wallace Road, Karachi, Sind, British India. October 11, 1938.

Class 13 Nos. 63875 to 63876, 63878 and 63879. The Svadeshi Mills Company Limited, of "Bombay House", Bruce Street, Fort, Bombay. October 13, 1938.

Class 14 No. 63851. The Calico Printers' Association Limited, of St. James's Buildings, Oxford Street, Manchester, England. September 26, 1938.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library.
MADRAS	Record Office, Egmore.
MADRAS	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa.
POONA	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.)	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Return of the Rupee Debt of the Central Government of India for 31st August 1938.

[Thousands of Rupees.]

PUBLIC DEBT BEARING INTEREST.

Particulars.	Date of issue.	Conditions of Repayment.	Amount outstanding.	TOTAL.
			Rs.	Rs.
TREASURY BILLS .	..	....	43,95,50	
WAYS AND MEANS ADVANCES.	..	....	..	
POST OFFICE CASH CERTIFICATES.	..	....	59,66,58	
POST OFFICE SAVINGS BANK DEPOSITS.	..	....	82,04,88	
PROVIDENT FUNDS AND OTHER UNFUNDED DEBT.	..	....	94,13,38	2,79,80,34
TERMINABLE LOANS—				
[illegible]% Loan, 1938-40 .	1st Oct. 1932 .	On or before 1st October 1940, but not preceding 1st October 1938, with three months' previous notice.	7,76,45	
[illegible] Loan, 1939-44 .	15th July 1929	On or before 15th July 1944, but not preceding 15th July 1939, with three months' previous notice.	20,07,03	
[illegible]% Loan, 1940-43 .	1st Oct. 1932 .	On or before 1st October 1943, but not preceding 1st October 1940, with three months' previous notice.	25,18,48	
[illegible]% Bonds, 1941 . .	15th Sept. 1934	On 15th September 1941 .	10,67,32	
[illegible]% Bonds, 1943 . .	1st Feb. 1933 .	On 1st August 1943 . .	14,97,18	
[illegible]% Income Tax Free Loan, 1945-55.	15th Oct. 1919	On or before 15th October 1955, but not preceding 15th October 1945, with three months' previous notice.	56,74,94	
[illegible]% Loan, 1947-50 .	15th May 1933	On or before 15th November 1950, but not preceding 15th November 1947, with three months' previous notice.	55,94,37	
[illegible]% Loan, 1948-52 .	1st June 1936 .	On or before 1st June 1952, but not preceding 1st June 1948, with three months' previous notice.	12,01,28	
[illegible]% Loan, 1951-54	15th Sept. 1935	On or before 15th September 1954, but not preceding 15th September 1951, with three months' previous notice.	15,12,85	
[illegible]% Loan, 1955-60	15th Sept. 1928	On or before 15th September 1960, but not preceding 15th September 1955, with three months' previous notice.	9,05,70	
[illegible]% Loan, 1960-70	15th Sept. 1926	On or before 15th September 1970, but not preceding 15th September 1960, with three months' previous notice.	63,30,26	
[illegible]% Loan, 1963-65 .	19th May 1938	On or before 13th June 1965, but not preceding 1st June 1963, with three months' previous notice.	26,31,22	3,17,17,08
NON-TERMINABLE LOANS—				
THREE AND HALF PER CENT.—				
1842-43 . . .	1st Feb. 1843 .	At the option of the Government of India after three months' notice.	24,58,81	
1854-55 . . .	30th June 1854.	Ditto . . .	20,75,59	
" coupon (a) .	..	Ditto . . .	5,30	
1865 . . .	1st May 1865 .	Ditto . . .	38,48,29	
Reduced, 1879 .	16th Jan. 1879.	Ditto . . .	2,70,83	
1900-01 . . .	30th June 1900	Ditto . . .	36,43,29	1,23,02,11
THREE PER CENT.—				
1896-97 . . .	22nd July 1896	Ditto . . .	3,23,54	3,23,54
RAILWAY LOANS—				
Maharaja Holkar, 4½ p.c.	(1870-77). .	After 101 years . . .	70,00	
Maharaja Scindia, 4 p.c.	..	..	1,50,00	2,20,00
		TOTAL .		7,25,43,07*

PUBLIC DEBT NOT BEARING INTEREST.

Particulars.	Date of discharge.	Amount.
		Rs.
5½% War Bonds, 1920.	15th Aug. 1920.	2,55
5½% War Bonds, 1921.	15th Sept. 1921.	2,51
5½% War Bonds, 1922.	15th Aug. 1922.	1,79
5½% War Bonds, 1923.	15th Sept. 1923.	47
4% Terminable Loan of 1915-16.	30th Nov. 1923.	20
5½% War Bonds, 1925.	15th Sept. 1925.	17
6% Bonds, 1926.	15th Sept. 1926.	92
6% Bonds, 1927.	1st Oct. 1927.	1,50
5½% War Bonds, 1928.	15th Sept. 1928.	1,31
6% Bonds, 1930	15th Aug. 1930.	3,73
6% Bonds, 1931.	15th Sept. 1931.	27
6% Bonds, 1932.	1st Oct. 1932.	1,18
5% War Loan, 1929-47.	15th May 1933.	4,06
4% Conversion Loan of 1916-17.	1st July 1933.	57
6% Bonds, 1933-36.	15th Aug. 1933.	2,17
5% Bonds, 1933.	1st Sept. 1933.	1,96
4% Loan, 1934-37.	16th Aug. 1934.	2,63
4½% Bonds, 1934.	15th Sept. 1934.	2,10
5% Bonds, 1935.	15th Sept. 1935.	1,72
6½% Treasury Bonds, 1935.	15th Sept. 1935.	8,25
	TOTAL .	40,06

(a) Issued in London in conversion of the 4½ per cent. Loan.
* Amount held in London is 7,62,86.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.
New Delhi, the 29th October 1938.

A. C. GUPTA,
Accountant General, Central Revenues.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for August 1938.

(In lakhs of Rupees.)

	For August.		To end of August.		Whole year.	
	1937-38.	1938-39.	1937-38.	1938-39.	Revised, 1937-38.	Budget, 1938-39.
Revenue.						
Customs	3,52	2,92	17,48	15,33	43,93	43,81
Central Excise Duties	57	65	3,53	3,62	7,74	7,7[illegible]
Corporation Tax	6	8	17	13	1,50	1,5[illegible]
Taxes on Income other than Corporation Tax:—						
Gross receipts	91	1,01	3,42	3,25	13,50	13,7[illegible]
Payments to Provinces	..	..	..	..	1,38	1,2[illegible]
Net receipts	91	1,01	3,42	3,25	12,12	12,42
Salt	55	50	3,47	3,25	8,35	8,35
Opium	3	2	27	30	46	45
Posts and Telegraphs—Net receipts	..	—3	20	—6	1,15	75
Other heads	24	30	1,24	1,66	9,27	9,0[illegible]
Contribution from Railways*	1,58	1,08	7,43	6,15	2,83	2,5[illegible]
Total Revenue	7,46	6,53	37,21	33,63	87,35	86,66
Expenditure.						
Gross Debt charges	1,87	1,55	18,34	17,25	48,96	49,3[illegible]
Deduct—Amount Chargeable to other Governments, Departments, etc.	36	1,16	5,56	6,98	34,12	34,[illegible]
Net Debt Charges	1,51	39	12,78	10,27	14,84	14,[illegible]
Defence Services (Net)	4,27	3,97	19,12	18,75	47,22	45,1[illegible]
Other heads	1,41	1,90	8,93	10,01	25,29	26,7[illegible]
Total Expenditure charged to Revenue	7,19	6,26	40,83	39,03	87,35	86,5[illegible]
Expenditure not charged to Revenue	82	11	2,60	2,16	2,98	9,7[illegible]
Debt Heads—						
Permanent Debt (Net) India	—1	..	—8	+7,21	+92	—[illegible]
Ditto England	+1	..	—1,42	—1,46	—6,85	—2,9[illegible]
Treasury Bills (Net)	+1,03	+40	+5,66	+5,95	+6,00	+5,0[illegible]
Ways and Means Advances (Net)	..	..	..	..	..	..
Other Debt Head Transactions (Net)	—14	+1,71	—5,92	—3,75	+3,67	+6,[illegible]
Total	+89	+2,11	—1,76	+7,95	+3,74	+8,[illegible]
Total Transactions	+34	+2,27	—7,98	+39	+76	—[illegible]
Opening Balance	2,47	9,43	10,79	11,31	8,64	9,[illegible]
Closing Balance	2,81	11,70	2,81	11,70	9,40	8,7[illegible]
* Details of Railway figures.						
Receipts.						
Gross receipts	7,15	6,91	41,32	40,71	99,83	99,[illegible]
Deduct—Working Expenses	*5,30*	*5,38*	*26,17*	*26,87*	*64,80*	*65,[illegible]*
Surplus Profits	*5*	*8*	*43*	*40*	*52*	[illegible]
Payments to worked Lines	*20*	*15*	*1,30*	*1,13*	*3,02*	*2,[illegible]*
Net receipts	1,60	1,30	13,42	12,31	31,49	31,[illegible]
Subsidised Companies	1	..	2	3	12	[illegible]
Miscellaneous Railway Receipts	3	..	4	..	1,12	1,[illegible]
Total	1,64	1,30	13,48	12,34	32,73	32,[illegible]
Expenditure.						
Railway Revenue Account—						
Interest and other charges	6	22	6,05	6,19	29,90	30,[illegible]
Railway surplus + or Deficit—	1,58	1,08	7,43	6,15	+2,83	+2,[illegible]

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England [illegible] India respectively cancel each other.

NEW DELHI;

Dated the 29th October 1938.

A. C. GUPTA,

Accountant General, Central Reve[illegible]

CURRENCY NOTES.

NOTICE.

Madras, the 25th October 1938.

Portions of the following currency note of the Madras Office of Issue are stated to have been destroyed, and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Register No.	Note No.	Value.	Name and address of the applicant.
		Rs.	
D 9 of 1938	T/40-414381	100	Sadhu Singh, carpenter, son of S. Eshar Singh, Falettis Hotel, Lahore.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, MADRAS.

V. S. MARBALLI,
Currency Officer.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 28th October 1938.

No. 37.—Mr. G. L. Bijur is appointed to act as an additional Accountant, Reserve Bank of India, Bombay, with effect from the 28th October 1938.

MANILAL B. NANAVATI,
Deputy Governor.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 28th October 1938.

No. 1643.—Mr. J. C. St. C. Pollett, V.D., Extra Assistant Superintendent, is granted under the Fundamental Rules leave on average pay for 21 days from the 11th October 1938. He is permitted to affix to the leave the holidays on the 1st and 2nd November 1938.

There is every likelihood of his returning to the post from which he proceeded on leave.

C. G. LEWIS,
Brigadier,
Surveyor General of India.

GEOLOGICAL SURVEY OF INDIA.

NOTIFICATION.

Calcutta, the 31st October 1938.

No. 5385/914 (2).—Mr. D. Bhattacharji, Assistant Geologist, Geological Survey of India, is granted leave on average pay for 1 month and 10 days with effect from the 14th November 1938, with permission to affix the Xmas and New Year's Day holidays.

Mr. Bhattacharji, on his return from leave, is likely to resume his duty as Assistant Geologist in Calcutta from where he proceeds on leave.

A. M. HERON,
Director,
Geological Survey of India.

OFFICE OF THE ACCOUNTANT-GENERAL, POSTS AND TELEGRAPHS.

New Delhi, the 20th October 1938.

Statement showing the amounts realised and paid in each of the Postal Circles on account of Post Office 5-Year Cash Certificates, during August 1938, and the amounts outstanding at the end of the month.

[In thousands of rupees.]

Name of Postal Circle.	Cash realised from sales.	Amount repaid. Principal	Amount of principal outstanding.
	Rs.	Rs.	Rs.
Bengal & Assam	23,32	25,07	11,00,73
Bihar & Orissa	6,58	5,80	2,28,64
Bombay	35,04	32,44	16,07,38
Central	9,29	8,70	4,19,38
Sind & Baluchistan	4,83	5,04	2,58,95
Punjab	21,51	19,87	11,11,79
United Provinces	19,53	17,18	8,35,67
Madras	13,34	8,91	3,04,72
Burma	..	3,29	99,33
Total, August 1938.	1,33,44	1,26,30	59,66,59
Total, August 1937.	1,52,81	2,06,21	62,28,55
Total, August 1936.	1,35,64	1,58,25	65,90,99

M. SUBRAHMANYAN,
Accountant-General, Posts and Telegraphs.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M.
Sundays and other Gazetted holidays from 2 P.M. to 5 P.M. }

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 5th November 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 1st November 1938.

No. 01627-E.—Khan Bahadur Mohd. Zahiruddin Ahmed Faruqi, I.S.E., is granted under Fundamental Rule 81 (*b*) (i) leave on half average pay in India for 1 month and 11 days in extension of the leave on average pay for 8 months combined with leave on half average pay for 3 months from 13th December 1937 granted in this office Nos. 01627-E., dated the 18th January 1938, 14th April 1938 and 10th September 1938.

2. Mr. Faruqi is permitted to affix to his leave the Xmas and New Year holidays.

New Delhi, the 2nd November 1938.

No. 01535-E./01370-E.—Mr. Rahmatullah, Assistant Executive Engineer, Central Public Works Department, was granted leave on average pay for one month with effect from the afternoon of 8th October 1938.

F. T. JONES,
Chief Engineer.

ROYAL INDIAN NAVY.

NOTIFICATIONS.

LEAVE.

Bombay, the 26th October 1938.

No. 63.—Lieut. G. Bailey, R.I.N., is granted 18 months' absence from India, from 18th October 1938. The first 3 months will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

Bombay, the 28th October 1938.

No. 64.—Commander P. H. Learmont, R.I.N., is granted 12 months' absence from India, from 27th October 1938. The first 2 months will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

No. 65.—Engineer-Lieutenant B. N. Lele, R.I.N., is granted 12 months' absence in and out of India, from 28th October 1938. The first 23 days will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

HERBERT FITZHERBERT,
Rear-Admiral,
Flag Officer Commanding,
Royal Indian Navy

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona 5, the 26th October 1938.

No. G.-28508/P.-85.—Dr. K. R. Ramanathan, M.A., D.Sc. (Madras), Meteorologist, Bombay, who has been appointed to officiate as Superintending Meteorologist [*vide* Government of India, Department of Communications Notification No. M.-679 (2), dated 5th October 1938] was transferred to the Meteorological Office, Poona, where he assumed charge of the office of Superintending Meteorologist with effect from the forenoon of the 17th October 1938.

No. G.-28509/P.-100.—Dr. S. R. Savur, M.A. (Madras), Ph.D. (London), Meteorologist, on being relieved of his duties at the Meteorological Office, Poona, on the afternoon of the 15th October 1938, was transferred to the Colaba Observatory, Bombay.

Poona 5, the 27th October 1938.

No. G.-28671/P.-250.—Mr. K. P. Ramakrishnan, B.A. (Madras), and Mr. C. P. Menezes, B.A., B.Sc. (Bombay), Assistants, Meteorological Office, Poona, have been appointed to officiate as Assistant Meteorologists, until further orders, with effect from the forenoon of 17th October 1938, in the two temporary posts of Assistant Meteorologists sanctioned by the Government of India, Department of Communications in their letter No. M.-679, dated 6th October 1938. Messrs. Ramakrishnan and Menezes are posted at Poona.

Poona 5, the 29th October 1938.

No. G.-28896/P.-142.—Mr. Babu Ram Samnol, Superintendent, Upper Air Observatory, Agra, has been appointed to officiate, until further orders, as Assistant Meteorologist with effect from 17th October 1938, in the post of Assistant Meteorologist sanctioned by the Government of India, Department of Communications in their letter No. M.-679, dated the 28th July 1938.

C. W. B. NORMAND,

Director General of Observatories.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 28th October 1938.

No. 4-An.—The undermentioned officiating Deputy Assistant Controllers of Military Accounts in the office of the Controller of Military Accounts and Pensions reverted to their substantive grade with effect from the 19th October 1938:—

Mr. C. H. Banerjee.

Mr. Bhagwan Singh Wadhwa.

No. 123-An.—Mr. E. I. Robbins, an officer in class II of the Superior Staff of the Military Accounts Department having returned from leave *ex*-India on the 15th October 1938, the unexpired portion of his leave from that date is hereby cancelled.

M. R. COBURN,

Military Accountant General.

INCOME TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 22nd September 1938.

No. 11023-C. T.-2E/40.—Mr. S. J. Ahmed, M.A., Income-tax Officer, District V-A, Calcutta is allowed under Fundamental Rule 81 (*d*) (ii) leave on average pay for 1 month with effect from the 10th October 1938 with permission to prefix the Durga and Lakshmi Puja holidays from the 28th September 1938 to 8th October 1938 and Sunday the 9th October 1938 to the leave.

Calcutta, the 24th September 1938.

No. 11279-C.T./2-E./41.—Mr. D. S. Bhattacharjee, B.A., Income-tax Officer, 24-Parganas will, in addition to his own duties act as Income-tax Officer, Murshidabad-Nadia *vice* Mr. A. R. Mukherjee, M.Sc., granted leave.

2. In the interest of Public service such as saving of time and expenditure Mr. D. S. Bhattacharjee, Income-tax Officer, 24-Parganas will take over at Calcutta the charge of the office of the Income-tax, Murshidabad-Nadia.

Calcutta, the 13th October 1938.

No. 11621-C.T./26/28.—Mr. J. C. Gupta, B.A., Assistant Commissioner of Income-tax, Range No. III is allowed, under Fundamental Rule 81 (*b*) (ii) leave on average pay for 2 months and 26 days with effect from the 10th October 1938, with permission to prefix the Durgapuja and the Lakshmi Puja holidays to the leave.

Calcutta, the 26th October 1938.

No. 12382-C.T./2-E./49.—Mr. D. Banerjee, B.L., Income-tax Officer, Khulna-Jessore, is allowed under Fundamental Rule 81 (*b*) (ii) leave on average pay for 3 days, with effect from the 10th October 1938 to the 12th October 1938, with permission to prefix the Durga Puja holidays from the 28th September 1938 to the 8th October 1938 and Sunday the 9th October 1938 to the leave.

S. N. BANERJEA,

Commissioner of Income Tax, Bengal.

DIRECTOR-GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 31st October 1938.

No. 121-P.—Captain C. W. E. Peters, I.M.D., Superintendent, Military Medical Student Class, Medical College, Calcutta, has been granted privilege leave for three months with effect from the 30th August 1938.

No. 122-P.—Lieut. D. M. Frost, I.M.D., Assistant Factory Manager, Medical Store Depot, Madras, is granted privilege leave for two months and sixteen days with effect from the 18th October 1938.

E. W. C. BRADFIELD,
Major-General, I.M.S.,
Director-General, I. M. S.

EAST INDIAN RAILWAY.

NOTIFICATION.

Calcutta, the 25th October 1938.

No. M.E.-330/20-B.—Mr. T. K. Nair, Chemist and Metallurgist (Senior Scale) Mechanical Engineering and Transportation (Power) Department was granted with effect from the 28th March 1938 privilege leave for 81 days combined with 9 days furlough on half pay in India and 3 months and 21 days furlough on full pay in India on medical certificate.

2. This cancels Notification No. M.E.-330/20-B., dated the 25th March 1938 published in the *Gazette of India*, Part II, dated the 2nd April 1938.

J. A. BELL,
General Manager.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 24th October 1938.

No. 111.—The unexpired portion of leave on half average pay from 15th October 1938 to 31st October 1938, *viz.*, 17 days, granted to Mr. T. H. B. Jones, Divisional Mech. Engineer, under this office Notification No. 105, dated 29th September 1937 is hereby cancelled.

Lahore, the 26th October 1938.

No. 113.—Mr. J. Wyse, Assistant Executive Engineer, is granted leave (out of India) for 10 months and 10 days, *viz.*, leave on average pay for 8 months and on half average pay for the remaining period, with effect from 1st December 1938 or subsequent date of relief.

No. 114.—The unexpired portion of leave for 17 days, *viz.*, leave on average pay for 2 days and on half average pay for 15 days from 15th October 1938, to 31st October 1938, granted to Mr. W. R. Bumstead, Assistant Signals Engineer under this office Notification No. 44, dated 7th April 1938, is hereby cancelled.

C. F. CARSON,
Col.,
General Manager.

GOVERNMENT PUBLICATIONS

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OFFICE OF THE HIGH COMMISSIONER FOR INDIA,
INDIA HOUSE, ALDWYCH, LONDON, W. C. 2.

LIST OF NEW BOOKS PUBLISHED DURING OCTOBER 1938.

NOTE.—(1) Where a symbol is given, preceding the name of the publication, it is requested that the symbol only be given when indenting and *not* the name of the Publication.

(2) Prices are inclusive of packing and Indian postage.

ACTS AND LAW BOOKS.

Acts.

1913.

II.—OFFICIAL TRUSTEES ACT.—As modified up to the 15th August 1938. *As. 3 or 4d.*

1923.

VIII.—WORKMEN'S COMPENSATION ACT.—As modified up to the 1st August 1938. *As. 3 or 4d.*

1938.

VII.—CHILD MARRIAGE RESTRAINT (AMENDMENT) ACT. *Anna 1 or 1½d.*

XX.—CRIMINAL LAW (AMENDMENT) ACT. *Anna 1 or 1½d.*

ACTS AND LAW BOOKS—*contd.*

Statutes, Rules and Orders.

BERAR ELECTRICITY RULES—

IL. 50. 1938. *As. 5 or 6d.*

PAYMENT OF WAGES (FEDERAL RAILWAYS) RULES, 1938—

IL. 49. Government of India, Department of Labour, Notification No. L.-3070 (1), dated the 5th May 1938. *Anna 1 or 1½d.*

AGRICULTURE AND FORESTRY.

AGRICULTURE AND LIVESTOCK IN INDIA—

ICAR.VIII.5. Vol. VIII, Part V, September 1938. *Rs. 2 or 3s. 6d.*

Contents :—

EDITORIAL :

Modern Trends in Veterinary Education.

ORIGINAL ARTICLES :

Sons of the Soil (Studies of the Indian Cultivator). X. The United Provinces Cultivator. 5. The Turk Cultivator of Rohilkand. (Naqvi).

Sons of the Soil (Studies of the Indian Cultivator). XIII. The Central Provinces Cultivator. 1. The Chhattisgarh Cultivator. (Moharikar).

The Systematic Improvement of Live-Stock in India. (Olver).

The Quality of Sugarcane in Northern India in Relation to Borer Infestation and Disease Infection. (Caws and Haldane).

The Problem of Animal Nutrition in India. (Sen and Seshan).

The Organisation of Veterinary Work in Germany. (Ware).

Mite (Acarina) Pests of Crops in South India and Methods for their Control. (Cherian).

The Influence of Skeletal Alterations on the Milch Qualities of the Sahiwal Breed. (Sayer).

Can Water Hyacinth be used as a Cattle Feed· (Chatterjee and Hye).

Notes from the Progress Reports of the Research Stations, 1936-37.

The Lime and Phosphorus Requirement of Bengal Cattle. (Chatterjee and Talapatra).

Carotinoid Feeding and Goat's Milk. (Banerjee and Dutta).

INDIAN FOREST RECORDS—

ENTOMOLOGY SERIES (NEW)—

FRI.23.III.11. Vol. III. No. 11.—Entomological Investigations on the spike Disease of Sandal (33) Heteroptera. (Hemipt). *As. 8 or 9d.*

FRI.23.III.12. Vol. III. No. 12.—Immature Stages of Indian Coleoptera (24, Curculionidae—contd.). *Re. 1-6 or 2s.*

AGRICULTURE AND FORESTRY—*contd.*

INDIAN JOURNAL OF VETERINARY SCIENCE AND ANIMAL HUSBANDRY—

ICAR.15.VII. Vol. VII, 1937, Index. *As. 3 or 4d.*

ICAR.6.VIII.3. Vol. VIII, Part III, September 1938. *Rs. 2 or 3s. 6d.*

Contents :—

The Problem of Vitamin.—A Deficiency in the Diet of Farm Animals. (Sen and Seshan).

On the Nuclear Structure of *Babesia Bigemina* (Smith and Kilbourne). (With Plate IV). (Ray).

Rhinosporidiosis in Bovines in the Madras Presidency with a Discussion on the Probable Modes of Infection (with Plates V-VIII). (Rao).

Studies on a Natural Outbreak of Pigeon Pox (with Plates IX and X). (Kaura and Iyer).

A New Trematode—*Prosthogonimus Indicus* N. Sp.—Occurring in the Oviduct of Indian Fowls with Remarks on 'Prosthogonimiasis' (with Plates XI and XII). (Srivastava).

Rhinosporidiosis in Equines (with Plates XIII and XIV). (Sahai).

The Occurrence of *Corynebacterium Equi* in a She-Buffalo (with Plate XV and one text-figure). (Rajagopalan and Gopalakrishnan).

Pseudanoplocephala Crawfordi (Baylis, 1927) (with Plate XVI and two text-figures). (Mudaliar and Iyer).

Studies on the Helminth Parasites of Indian Poultry, Part II. The Occurrence of Gapeworm in Fowls. (Srivastava).

Dissemination of Anthrax Infection through Dirty Stagnant Pools (with two text-figures). (Naik).

A New Parasite of the Family Acanthocolpidae Luhe, 1909, from an Indian Host (with Plate XVII). (Srivastava).

The Occurrence of an Unrecorded Filarid Nematode, *Onchocerca Cervicalis* Railliet and Henry, 1910, in the Ligamentum Nuchae of Horses in India. (Srivastava).

Micipsella Indica, N. Sp. (with Plate XVIII and one text-figure). (Rao).

The Occurrence of *Paragonimus Westermani* in the Lungs of Cats in India. (Srivastava).

SCIENTIFIC MONOGRAPHS—

ICAR.10.12. No. *12*.—Fungi of India, Supplement I. *Re. 1-6 or 2s. 3d.*

ARTS AND SCIENCES.

Archæology.

ARCHAEOLOGICAL SURVEY OF INDIA—

DGA.10.36. Annual Report for 1935-36. *Rs. 5 or 24s.*

Education.

FEDERAL PUBLIC SERVICE COMMISSION—

Pamphlet of the Competitive Examination for admission to Indian Military Academy, Dehra Dun, the Royal Air Force College, Cranwell, and the Royal Indian Navy containing Rules, Syllabus, Question papers, Tables of Results and Review of the Examination—

FPSC.2.I.38. March—April 1938. *As. 9 or 10d.*

Geology.

QUETTA EARTHQUAKE OF 31ST MAY 1935—

EA.3. Report on the —. *Rs. 2-6 or 4s.*

Meteorology.

SCIENTIFIC NOTES—

DGO.19.VII.78. Vol. VII, No. 78.—Temperature and Humidities up to 3 Kms. over Karachi. *As. 9 or 10d.*

CIVICS AND ADMINISTRATION.

Administration and Departmental Reports.

CEYLON—

EHL.11.37. Annual Report of the Govt. of India for the year 1937. *Re. 1-4 or 2s.*

Civil Lists.

CENTRAL INDIA AGENCY—

AGGCI.1.95. List No. 95. Corrected to the 1st July 1938. *Rs. 3-10 or 6s. 3d.*

General.

KAISAR-I-HIND MEDAL FOR PUBLIC SERVICE IN INDIA—

PSV.4.38. List of Recipients of the —. Corrected up to the 9th June 1938. *Rs. 4 or 6s. 6d.*

Politics.

DEBATES—

COUNCIL OF STATE—

CS.5.II.2.38.	Vol. II, No. 2, 6th September 1938.	*Annas 5.*
CS.5.II.3.38.	Vol. II, No. 3, 8th September 1938.	*Annas 5.*
CS.5.II.4.38.	Vol. II, No. 4, 9th September 1938.	*Annas 5.*
CS.5.II.5.38.	Vol. II, No. 5, 13th September 1938.	*Annas 5.*
CS.5.II.6.38.	Vol. II, No. 6, 15th and 19th September 1938.	*Annas 5.*
CS.5.II.7.38.	Vol. II, No. 7, 20th and 22nd September 1938.	*Annas 5.*

LEGISLATIVE ASSEMBLY—

LAD.6.V.8.38.	Vol. V, No. 8, 6th September 1938.	*Annas 5.*
LAD.6.V.9.38.	Vol. V, No. 9, 7th September 1938.	*Annas 5.*
LAD.6.V.10.38.	Vol. V, No. 10, 8th September 1938.	*Annas 5.*
LAD.6.V.11.38.	Vol. V, No. 11, 9th September 1938.	*Annas 5.*
LAD.6.VI.1.38.	Vol. VI, No. 1, 12th September 1938.	*Annas 5.*
LAD.6.VI.2.38.	Vol. VI, No. 2, 13th September 1938.	*Annas 5.*
LAD.6.VI.3.38.	Vol. VI, No. 3, 14th September 1938.	*Annas 5.*
LAD.6.VI.4.38.	Vol. VI, No. 4, 15th September 1938.	*Annas 5.*
LAD.6.VI.5.38.	Vol. VI, No. 5, 16th September 1938.	*Annas 5.*
LAD.6.VI.6.38.	Vol. VI, No. 6, 17th September 1938.	*Annas 5.*
LAD.6.VI.7.38.	Vol. VI, No. 7, 19th September 1938.	*Annas 5.*
LAD.6.VI.8.38.	Vol. VI, No. 8, 20th September 1938.	*Annas 5.*

ENGINEERING.

General.

STATE RAILWAY CODE—

PRB.37.(N). Engineering Department. (Provisional), 1938. *Rs. 2-4 or 3s. 9d.*

Reports.

LOCAL RAILWAY ADVISORY COMMITTEES—

STATEMENT SHOWING PARTICULARS OF MEETINGS—

PRB.22.34 (N). Held during the quarter ending 31st December 1937. (No. 34). *As. 10 or 1s.*

FINANCE.

General.

EXCISE ADMINISTRATION IN INDIA. MEMORANDUM, HEMP DRUGS—

CBR.13.36. 1935-36 (20th Edition). *Rs. 3 or 5s.*

INTERNATIONAL OPIUM AND OTHER DANGEROUS DRUGS CONVENTIONS—

CBR.45. 1912-1936. *Re. 1-8 or 2s. 3d.*

MILITARY.

ACT—

MAF-A 19 (N). **AIR FORCE ACT.** Being the Army Act modified in accordance with the provisions of the Air Force (Constitution) Act, 1917, with amendments made by subsequent enactments down to, and including, the Army and Air Force (Annual) Act, 1938. *(not for sale).*

MCR-A 19 (N). **ARMY ACT.** Being the Army Act, 1881, with amendments made by subsequent Acts down to, and including, the Army and Air Force (Annual) Act, 1938. *(not for sale).*

BOOKS, FORMS, STATIONERY AND OFFICE EQUIPMENT REQUIRED ON MOBILIZATION AND IN THE FIELD—

MCR-S 10(N). (i) **REMOUNT PURCHASING CENTRE CLASS I,** (ii) **REMOUNT PURCHASING CENTRE CLASS II,** (iii) **REMOUNT PURCHASING DEPOT,** 1938. *(not for sale).*

EQUIPMENT REGULATIONS—

ARMY (INDIA)—

MCR-R 311 (N). **ARTILLERY SCHOOL,** 1938, Part 2, Section VIII-D. *Re. 1-10 or 2s. 6d.*

TERRITORIAL ARMY (WAR OFFICE)—

MO-R 106 (N). **MEDIUM ARTILLERY** with B. L. 60-pr. Guns, B. L. 6-inch 26-cwt. Howitzers, 1938, Part III, Section 11 (c). *(not for sale).*

INDIAN ARMY LIST—

MCR-AL 10/38 (N). October 1938. *Rs. 4-14 or 8s.*

MO-J 32 (N). **INDIAN ORDNANCE INSPECTION SECTION LIST.** Corrected up to 1st August 1938. *(not for sale).*

LIST OF CHANGES IN WAR MATERIAL AND OF PATTERNS OF MILITARY STORES FOR H. M.'S ARMY SERVING IN INDIA—

MO-LC 10/38 (N). October 1938. *(not for sale).*

ORDNANCE STORES—DEPARTMENTAL LIST (INDIA)—

MO-D7 (N). **SECTION J(i). CAMP EQUIPMENT.** *(not for sale).*

MO-D8 (N). **SECTION J(ii). TENTAGE.** *(not for sale).*

RANGE TABLES—(WAR OFFICE)—

MO-R 107 (N). **Q. F. 6-PR. 10-CWT. GUN (TWIN MOUNTING). REDUCED (PRACTICE) CHARGE, COAST ARTILLERY,** 1938. (26/Manuals/1890). *(not for sale).*

MO-R 108 (N). Ditto. Memo. B35868, 1938. (26/Manuals/1891). *(not for sale).*

RECORD BOOKS—

SOLDIERS—

MGS-S 162 (N). Tables "B" and "L. M. G." India (English), 1938. *As. 2 or 3d.*

REPORTS—

EXAMINATION FOR THE INDIAN ARMY SPECIAL CERTIFICATES OF EDUCATION—

MGS-R 132 (N). April 1938 (with remarks by Examiners). *As. 2 or 3d.*

TEXT-BOOKS—

MO-T 11 (N). **BALLISTICS AND GUNNERY,** Part I, 1938 (War Office). *(not for sale).*

TRAINING MANUALS—

PHYSICAL TRAINING TABLE CARDS—

MGS-P 26 (N). Recruits. (For Indian Recruits only) (India), Tables I to V, 1938. (Roman Urdu). *As. 2 or 3d.*

MGS-07 (N). **UNITS. ORGANIZATION OF—**

For use at Examinations only. *(not for sale).*

VOCABULARY OF ORDNANCE STORES—

SECTION H-3—TIMBER—

MO-V 21 (N). Army (Home), 1938. *(not for sale).*

SECTION S-2.—AMMUNITION FOR MEDIUM, HEAVY AND COAST DEFENCE ARTILLERY (NON-EXPLOSIVES) AND EMPTY PACKAGES—

MCR-V 159 (N). India, 1938. *(not for sale).*

MILITARY—*contd.*

VOCABULARY OF ROYAL AIR FORCE EQUIPMENT, PRICED (AIR MINISTRY)—

MAF-P 146 (N). PART II.—(SECTIONS 1A, 1B, 1C, 1E, 1F, 1G, 3A, 3B AND 3C) TOOLS AND PORTABLE MACHINERY, 1938. (*not for sale*).

MAF-P 147 (N). PART IIA.—(SECTIONS 4A, 4B, 4C, AND 4D) WORKSHOP PLANT AND AERODROME EQUIPMENT, 1938. (*not for sale*).

MAF-P 148 (N). PART III.—(SECTIONS 5A, 5B, 5C, 5D, 5E, 5F, 42A, 42B, 42C, 42D, 42E, 42G, 42H AND 42J) ELECTRICAL STORES, 1938. (*not for sale*).

WAR EQUIPMENT TABLES (INDIA) (NEW SERIES)—

CAVALRY—

MCR-W 1/206 (N). Indian Regiment, 1938. I. A. F. F. 980-18 (B). (*not for sale*).

MCR-W 1/208 (N). FIELD AMBULANCE, 1938. I. A. F. F. 980-257 (B). (*not for sale*).

MCR-W 1/211 (N). HEADQUARTERS—DIVISION, 1938. I. A. F. F. 980-3 (B). (*not for sale*).

MCR-W 1/213 (N). HEADQUARTERS.—(i) DIVISIONAL ENGINEERS, (ii) DIVISIONAL COMPANY SAPPERS AND MINERS, 1938. I. A. F. F. 980-66 (B). (*not for sale*).

MCR-W 1/210 (N). SAPPERS AND MINERS—

Field Troop, 1938. I. A. F. F. 980-67 (A). (*not for sale*).

TRADE AND COMMERCE.

General.

RULES FOR THE SUPPLY OF ARTICLES REQUIRED TO BE PURCHASED FOR THE PUBLIC SERVICE—

ISD.8.38. List of firms referred to in Rule 4 of the — 1st April 1938. *Rs. 9-8 or 15s.*

Industrial.

STANDARD SPECIFICATION—

INDIAN RAILWAYS— *As. 8 or 10d. each.*

R 28B-38. India Rubber Articles used in Railway Carriages.

P. I. 40 C. Motor Launches.

INDIAN STORES DEPARTMENT— *As. 8 or 10d.*

H-122A. Air Depolarising Type primary cells using Ammonium Chloride Solution.

Marine.

INDIAN SEA CUSTOMS MANUAL—

CBR.30.3. Third edition. Corrected up to 31st December 1937. *Rs. 3 or 5s.*

Contents :—

Rules and Notifications made under those provisions of the Sea Customs Act, 1878 (VIII of 1878), that empower the Governor General in Council or the Chief Customs authority to make such rules and notifications, excepting notifications of merely local interest ; containing also Resolutions of the Government of India.

Notifications issued under the Land Customs Act, 1924, and also extracts from and orders under other Acts relating to the Customs Department together with 2 Appendices containing list of ports in India and concessions granted to Consular Officers.

TRADE AND COMMERCE—*contd.*

Periodicals.

BUSINESS CONDITIONS IN INDIA—

MONTHLY SURVEY—

DGCIS.40.8.38. August 1938. *Re. 1-10 or 2s. 9d.*

EXPORT OF INDIAN ARTWARE AND SPORTS GOODS—

DGCIS.14.7.38. July 1938. *Re. 1-2 or 2s.*

INDIAN CUSTOMS AND CENTRAL EXCISE REVENUE—

DGCIS.15.9.38. September 1938. *Anna 1 or 1½d.*

TRADE AND NAVIGATION—

BRITISH INDIA. MONTHLY ACCOUNTS RELATING TO—

Sea-borne—

DGCIS.13.8.38. August 1938. *Re. 1-6 or 2s. 3d.*

NOTICE.—Books and Acts required for private use must be purchased. Application should be accompanied by a remittance, unless it is wished that the book should be sent by value-payable post. Books and Acts required for the public service should be obtained through the Local Government to whom the applicant is subordinate.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, NOVEMBER 12, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 22nd October 1938.

On and after the 22nd October 1938, and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage. Rs.	A.	P.	Additional postage for supplies out of India. Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

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Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

PRICE OF SINGLE ISSUES.

	Including packing and Indian postage. Rs.	A.	P.
Complete Gazette including Supplement, but *excluding* Part I-A	1	0	0
Parts I, II, II-A, III or Supplement each	0	6	0
Parts I-A, IV or V each	0	3	0
Extraordinary issues	Price fixed for each issue individually.		

There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to Central and all Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 12th November 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

October 29.

25827. H. E. Collier. Pulley headed bolts for signal wires.

25828. Charanjit Rai. A new type of waterproof sports ball.

25829. C. S. Sarkar. Improvements in or relating to husking grinding and mixing machines.

25830. Mrs. E. M. Gill. An improved apparatus for use with fish bolt locking means. [Divisional Date June 13, 1938.]

25831. Mrs. E. M. Gill. An improved apparatus for use with derailment preventing means. [Divisional Date June 13, 1938.]

October 31.

25832. Compagnie "Croix" Societe Anonyme and L. Boyer. Improvements in or relating to bath-chairs jinrickshas and like vehicles. (August 11, 1938).

25833. Standard Telephones and Cables, Limited. Negative feed-back amplifiers operating at high frequencies. (December 1, 1937).

25834. Langbein-Pfanhauser-Werke Aktiengesellschaft. A process and apparatus for anodising thin wire.

25835. Ruhrchemie Aktiengesellschaft. Process for the treatment of spent cobalt catalysts. (September 8, 1938).

25836. G. W. Rawlings. Improvements in or relating to laminated magnetic elements. (September 1, 1937).

25837. Automatic Telephone and Electric Co., Ld. Improvements in electrical signalling systems. (November 12, 1937).

November 3.

25838. M. I. Hussain. Easy finger-print outfit.

25839. A. K. Ghosh. Improved apparatus for gelatine melting.

25840. International General Electric Co., Inc. Improvements in and relating to electric switches.

25841. Deutsche Eisenwerke Aktiengesellschaft. Method for the production of centrifuged castings.

25842. I. G. Farbenindustrie Aktiengesellschaft. Improvements in or relating to the treatment of seed grains. (May 5, 1937). [Divisional Date August 9, 1937].

25843. I. G. Farbenindustrie Aktiengesellschaft. New media for promoting the growth of plants. (May 5, 1937). [Divisional Date August 9, 1937].

25844. The Linde Air Products Co. Improvements in blowpipe apparatus. (September 24, 1938).

25845. Dr. L. Lowenstein. Process and apparatus for the production, storage and transport of foams.

25846. I. G. Farbenindustrie Aktiengesellschaft. Improvements relating to the electrolysis of salt solutions. (November 25, 1937).

25847. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of symetrical di-hydroxyalkylated amino-arsenobenzenes. (December 11, 1937).

25848. S. J. Everett. Improvements relating to mounts for hypodermic needles. (November 8, 1937).

November 4.

25849. C. M. Lohar. An improved closable grating for the entrance of storm water gullies or the like.

Alteration of Date.

25689. Ante-dated 7th August 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

25302. I. G. Farbenindustrie Aktiengesellschaft. Improvements in or relating to the treatment of seed grain. (August 8, 1936). *Treating seed grain with biotin or its derivatives.*

25084. John Thompson (Kennicott Water Softeners) Ld. Apparatus for delivering fluids into water or the like flowing through a mains or feed pipe. (April 9, 1937). *Chemical fed to the throat of the secondary venturi shunted across the main pipe and flow controlled by a valve.*

25091. H. R. Ricardo. Improvements in or relating to internal combustion engines of the liquid fuel injection compression ignition type. (April 8, 1937). *Elongation of the combustion chamber increasing the distance between the fuel injector nozzle and the point of the chamber wall.*

25115. Wellesley Holdings, Ld. Improvements relating to the production of organic fertilisers. (April 19, 1937). *Dehydrated humus fertiliser by subjecting or mixture of inorganic plant nutrients and organic material to fermentation.*

25360. N. V. Octrooien Maatschappij "Activit". A process of and apparatus for the continuous mixing of substances. (July 12, 1937). *Mixing and conveying take place in separate parts, the conveying part being disposed above the mixing part.*

25459. Kalle & Co. Aktiengesellschaft. Improvements in or relating to apparatus for making photo copies. *Combination of exposure and developing apparatus with suction tables having porous transport bands for feeding and separating the original and copy.*

25488. Stewarts and Lloyds, Ld. Improvements in or relating to the manufacture of metal tubular hollows. (August 31, 1937). *Introducing a tapered ingot with a plurality of longitudinal ribs into the container for forcing a punch from one end.*

25490. O. G. E. Roberts. Improvements relating to position-finding radio apparatus. *Two angularly adjustable direction finding aerials with means for indicating orientation and means for rotating each aerial reversibly.*

25503. Turner & Newall, Ld. Improvements in the manufacture of lined metal pipes. (August 3, 1937). *Asbestos cement or like tube inserted within a metal tube and the diameter of one or the other altered until tightly fitted.*

25689. I. G. Farbenindustrie Aktiengesellschaft. New media for promoting the growth of plants. (August 8, 1936). [Antedated 7th August 1937]. *Comprising biotin or its derivatives admixed with solid or semi-solid carriers.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each:—

23989. The General Electric Co., Ltd.
24420. Khan.
24430. Standard Telephones and Cables, Limited.
24431. Standard Telephones and Cables, Limited.
24457. The General Electric Co., Ld.
24498. Nier.
24517. Pribil.
24608. Davys, and Scott-Snell.
24639. The General Electric Co., Ld.
24682. Crompton Parkinson, Ld.
24858. Wrightson.
24885. Radio Corporation of America.
24903. Wire-Wound Gas Containers, Ld.
24991. Hannoversche Maschinenbau-Actien-Gessellschaft vormals Georg Egestorff (Hanomag).
24997. The Dorr Co. Inc.
25053. Siemens-Schuckertwerke Aktiengesellschaft.
25056. Milne.
25071. The Superheater Co., Ld.
25079. Glareless Lamps, Ld.
25108. Peirce, Leslie and Co., Ld.
25112. The General Electric Co., Ld.
25120. Titangesellschaft m. b. H.
25139. Chemical Works formerly Sandoz.
25143. Brown.
25282. International General Electric Co. of New York, Ld.
25305. Dunlop Rubber Company (India), Ld.
25310. Schoenberg.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30 should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23809. Auto Union A-G.
23900. Auto Union A-G.
24121. Zarotschenzeff.
24122. Zarotschenzeff.
24135. Mohd. Din.
24136. Saraswati Industries, Ld.
24139. Saraswati Industries, Ld.
24140. Saraswati Industries, Ld.
24143. Rauchfuss.
24170. Curtis.
24211. Pescara.
24320. Auto Union A-G.
24321. Auto Union A-G.
24433. Brevets Francotte Pour Chassis de fenetres Metalliques, Societe Anonyme En Abrege "Francochass".
24561. Geha-werke Gebruder Hartmann.
24575. Lal Chand.
24636. The British Steel Piling Co., Ld. and Hiley.
24722. Chilowsky.
24733. Metallgesellschaft Aktiengesellschaft.
24774. I. G. Farbenindustrie Aktiengesellschaft.
24831. Maybach-motorenbau, Gesellschaft mit beschrankter Haftung.
24892. Sheffield, and G. H. Sheffield & Co. (Engineers), Ld.
24951. Fichtel & Sachs Aktiengesellschaft.
24952. Brammer.
24988. C. W. Cheney & Son, Ld., and Cheney.
24995. Dr. Ing. C. Weicken & Co. Kommanditgessellschaft.
25011. Dunlop Rubber Co. (India), Ld.
25029. Ilbery.
25043. Lundberg and Flodin.
25048. Osterreichische Chemische Werke Gesellschaft m. b. H.

Patents Sealed.

23972. Latif
24094. Remfry.
24118. Kalha.
24200. Basil.
24391. Agnihotri
24405. Datta.
24412. Dhanji.
24584. Morgan.
24816. Tarkar.
24826. British & Dominions Feralloy, Ld.
24910. Hannoversche Maschinenbau Actiengesellschaft vormals Georg Egestorff (Hanomag).

24920. Bennett (Hyde), Ld.
24925. Procedes Techniques De Construction.
24948. Stewards & Lloyds, Ld.
24965. Fletcher.

Amendment Proceedings.

23916. In pursuance of leave granted on the 4th November 1938, the above numbered application and specification have been amended in the manner set forth in the *Gazette of India*, Part II, dated the 30th July 1938.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

17338 and 18707. The Gerrard Company, Incorporated.
18344 and 18576. T. Lamb.
20418. Vereinigte Chemische Fabriken Kreidl, Heller & Co., Nfg.
22258. Tampax Incorporated.
23975. Vereinigte Chemische Fabriken Kreidl, Heller & Co., Nfg.

Renewal Fees Paid.

PATENTS.

10917. Babcock & Wilcox, Ld. (To 15th December 1939).
11854. Bennett. (To 24th November 1939).
12876. Societe Alsacienne de Constructions Micaniques. (To 6th January 1940).
13973. Fritzsche. (To 16th January 1940).
14906. Treschow. (To 6th December 1939).
14969. T. P. Boyce (altered to T. P. Davar). (To 5th November 1939).
15044. Aktiebolaget Nordiska Armaturfabrikerna. (To 9th January 1940).
15215. Societa Anonima Stabilimenti Di Dalmine. (To 3rd January 1940).
15217. Brooke Bond India, Ld. & anr. (To 5th January 1940).
15305. Brooke Bond India, Ld. & anr. (To 22nd January 1940).
16490. The New Jersey Zinc Co. (To 2nd December 1939).
16491. The New Jersey Zinc Co. (To 2nd December 1939).
16523. The New Jersey Zinc Co. (To 9th December 1939).
16669. Montelius. (To 27th January 1940).
17598. Westinghouse Electric & Manufacturing Co. (To 1st December 1939).
17619. Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (To 14th December 1939).
18529. Greenstreet. (To 25th November 1939).
18555. Sinclair. (To 7th December 1939).
18622. Rotheim. (To 2nd January 1940).
19320. Abbott. (To 7th November 1939).
19381. Wassmuth Kurth & Co. Aktiengesellschaft. (To 14th November 1939).
19475. International Hydrogenation Patents Co., Ltd. (To 12th December 1939).
19409. Dr. Ing. R. Ardelt. (To 22nd November 1939).
19476. N. V. Machinefabriek Gebr. Stork & Co. (To 12th December 1939).
20354. Ahmad. (To 3rd November 1939).
20358. H. A. Jansse (calling himself and signing his name as "Hermanns Andreus Ditmar Jansse"). (To 6th November 1939).
20373. Kienzle Taxameter-und Apparate A. G. (To 13th November 1939).
20464. Fraser & Ors. (To 28th December 1939).
20678. Vereinigte Stahlwerke Aktiengesellschaft. (To 17th January 1940).
21315. Irvine. (To 17th November 1939).
21329. Harvey & anr. (To 9th November 1939).
21332. Sartory & anr. (To 8th November 1939).
21340. Vereinigte Stahlwerke Aktiengesellschaft. (To 29th March 1940).
21341. Vereinigte Stahlwerke Aktiengesellschaft. (To 16th April 1940).
21342. Vereinigte Stahlwerke Aktiengesellschaft. (To 1st May 1940).
21380. Tecalemit, Ld. & anr. (To 19th November 1939).
21384. Sanchez. (To 20th November 1939).
21393. Gunn. (To 24th November 1939).
21426. Tyden. (To 3rd December 1939).
21439. Rao. (To 10th December 1939).
21526. Mrs. Moneta. (To 9th January 1940).
21527. Scharfenbergkupplung Aktiengesellschaft & anr. (To 9th January 1940).
21540. Imperial Chemical Industries, Ld. (To 12th January 1940).
21554. Indian Patent Stone Co., Ld. (To 17th January 1940).
21591. Imperial Chemical Industries, Ld. (To 28th January 1940).
22289. Phillips & anr. (To 6th November 1939).
22295. Griffith. (To 12th November 1939).
22304. Marriott & anr. (To 28th November 1939).

Cessation of Patents.

12643. Standard Telephones & Cables, Ltd.
18224. Evans.
19694. Lejiune & anr.
20126. Sircar.
21048. Schwarz.
21054. Tainton.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 4. Nos. 63688 and 63689. The Indian Ferro Concrete Co., of 18, Raja Woodmunt Street, Calcutta, August 31, 1938.

Class 13. Nos. 63827 and 63828. The Ahmedabad Manufacturing and Calico Printing Co., Ld. of Ahmedabad, Bombay Presidency, British India, September 19, 1938.

Class 13. Nos. 63880 and 63881. The Mafatlal Fine Spg. & Mfg. Co., Ltd. of Navsari, Baroda State. October 14, 1938.

Class 13. Nos. 63884 to 63887. The Ahmedabad Manufacturing and Calico Printing Co., Ltd. of Ahmedabad, Bombay Presidency, British India. October 15, 1938.

Class 13. No. 63892. Ranchhoddas Jagjivandas Jariwala, of Galemandi, Motichery, Surat, (Bombay) Branch at 89, Cross Street, Calcutta. October 20, 1938.

Class 14. No. 63889. Messrs. Ahmed Abdul Karim Bros., of 9-A, Zakaria Street, Calcutta. October 17, 1938.

Extension of Copyright in Designs.

Copyright in the following design has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of the entry is the date of registration of the design included in the entry :—

Class 13. No. 57630. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. January 6, 1934.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of the entry is the date of registration of the designs included in the entry :—

Class 13. No. 38367. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. December 11, 1928.

Class 13. No. 38430. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. December 17, 1928.

Class 13. Nos. 38730, 38731 and 38734. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. January 3, 1929.

Class 13. Nos. 38998, 39012 and 39013. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England, January 21, 1929.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	Indian Institute of Science.
Do. . . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . . .	Office of the Director of Industries.
CALCUTTA . . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . . .	Punjab Public Library.
LUCKNOW . . .	Amiruddaula Public Library
MADRAS . . .	Record Office, Egmore.
Do. . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.) . .	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Madras, the 31st October 1938.

Portions of the following currency note of the Madras Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Register No.	Note No.	Value.	Name and address of the applicant.
		Rs.	
D-10 of 1938	S/67-C40013	100	Seku Ranganayakulu, Sree Venugopala Radhkrishna Rice Mil!, Bezwada.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, MADRAS.

V. S. MARBALLI,
Currency Officer.

Calcutta, the 4th November 1938.

A portion of the following note of the Calcutta Office of Issue is stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person/party who consider(s) himself/themselves as having a right to it is/are warned to communicate at once with the undersigned.

Register No.	Note No.	Value.	Name and address of the applicant.
		Rs.	
W.D./21 of 1938.	T/21-782067	100	P. C. Dhar, 16/1, Chetla Hat Road, Alipur, Calcutta.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

P. K. BASU,
Currency Officer.

IMPERIAL BANK OF INDIA.

NOTICES.

Calcutta, the 2nd November 1938.

The following appointment on the Bank's staff is hereby notified:—

Mr. W. J. Treleaven to officiate as an Assistant Inspector on the Central Office Staff as from the 24th October 1938.

The following appointment on the Bank's Staff is hereby notified:—

Mr. R. I. R. Beamish resumed charge of his appointment of Chief Accountant, Calcutta Local Head Office, as from the close of business on the 29th October 1938, *vice* Mr. M. B. Clemens.

B. A. C. NEVILLE,
Deputy Managing Director.

SURVEY OF INDIA.

Office of the Director, Map Publication.

NOTIFICATION.

Calcutta, the 3rd November 1938.

No. 117.—Mr. M. M. Ganapathy, B.A., Extra Assistant Superintendent attached to No. 1, Drawing Office, Survey of India, Calcutta, is granted, under the Fundamental Rules, leave on average pay for one month with effect from the 17th October 1938, with permission to prefix Sunday, the 16th October 1938, to his leave.

There is every expectation of his returning to the post from which he proceeds on leave.

(Illegible),
Lt.-Colonel, R.E.,
for Director, Map Publication.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 7th November 1938.

No. 1644.—In supersession of this office notification No. 1629, dated the 18th March 1938, Mr. R. N. Hastir, Extra Assistant Superintendent, is granted leave on average pay for 4 months from the 4th April to 3rd August 1938, and in continuation leave on average pay on medical certificate for 4 months from the 4th August to 3rd December 1938.

He is permitted to affix Sunday, the 4th December 1938, to the leave.

C. G. LEWIS,
Brigadier,
Surveyor General of India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M. / Sundays and other Gazetted holidays from 2 P.M. to 5 P.M. }

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.
(2) Overseers.
(3) Draftsmen and Surveyors.
(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 12th November 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

OFFICE OF COMMISSIONER, CENTRAL EXCISES & SALT, NORTHERN INDIA

NOTIFICATIONS.

LEAVE.

Delhi the 7th October 1938.

No. 117.—Mr. S. P. Kampani, Superintendent, Central Excises and Salt, Northern India, Bihar Circle, is granted earned leave for 26th September 1938 with permission to prefix Sunday, the 25th September and affix the Puja holidays from the 27th September to 8th October 1938.

(Personal file.)

RETIREMENT.

Delhi, the 7th October 1938.

No. 118.—Mr. Abid Hussain, Superintendent, Central Excises and Salt, Northern India, Bahadur Khel Circle, N.-W. F. Division, is permitted to retire from Government service in this Department with effect from the 15th September 1938

(File No. 171-Et./38.)

F. C. KING, I.C.S.,
Commissioner,
Central Excises and Salt, Northern India.

INCOME TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta the 22nd September 1938.

No. 11022-C. T./2E./36.—Mr. Amirul Islam, M.A., Additional Income-tax Officer, Rangpur-Bogra, is allowed under Fundamental Rule 81(*b*) (ii) leave on average pay for 12 days with effect from the 10th October 1938 to the 21st October 1938, with permission to prefix the Durga and Lakshmi Puja holidays from the 28th September 1938 to the 8th October 1938 and Sunday, the 9th October 1938 and affix the Kalipuja holiday on the 22nd October 1938 and Sunday, the 23rd October 1938, to the leave.

Calcutta, the 31st October 1938.

No. 13007-C. T./2E./44.—Mr. K. C. Goswamy, B.L., Income-tax Officer, Companies District II, Calcutta, is allowed under Fundamental Rule 81(*b*) (ii) leave on average pay for 6 (six) days with effect from the 10th October 1938 to the 15th October 1938 with permission to prefix the Puja holidays from the 28th September 1938 to the 8th October 1938 and Sunday, the 9th October 1938 and to affix Sunday, the 16th October 1938 to the leave. Certified that the above officer had the prospect of returning on the expiry of his leave to the post of the Income-tax Officer, Companies District II, Calcutta, from which he went on leave and that he has joined that post.

S. N. BANERJEA,
Commissioner of Income Tax, Bengal.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 5th November, 1938.

No. 2-An.—Mr. P. T. Mudaliar, I.D.S.M., a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, is granted combined leave pending retirement for one year and one month with effect from the 1st November 1938 consisting of privilege leave for 28 days and furlough on half average salary for the remaining period.

No. 5-An.—Mr. J. E. Moriarty, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Southern Command, is granted an extension of privilege leave for one month in continuation of the leave granted to him in this Department notification No. 5-An., dated the 3rd August 1938, published in the *Gazette of India*, Part II, dated the 13th August 1938.

M. R. COBURN,

Military Accountant General.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 2nd November 1938.

No. 20/27.—Mr. R. C. Sen, Assistant Electrical Engineer, Junior Scale, has been granted leave on average pay in India for 3 months with effect from the 8th November 1938 or subsequent date of relief.

No. O.P.E.-418/5.—Mr. S. A. Hamid, Assistant Superintendent, Junior Scale, Transportation (Traffic) and Commercial Department has been granted 2 months and 24 days leave on half average pay in India prior to retirement with effect from the 2nd November 1938.

No. A. E.-780/12.—Mr. K. B. Lal Mathur, on reversion from the post of Senior Government Inspector of Railways, Circle No. II has been posted as Deputy Chief Engineer with effect from the 11th October 1938 forenoon.

No. A. E.-780/12-I.—Rai Bahadur N. C. Ghosh on return from leave has been posted as Divisional Superintendent with effect from the 12th October 1938 forenoon.

No. A. E.-780/12-II.—Mr. E. H. N. Lowther, officiating Divisional Superintendent reverted as Superintendent (Senior Scale) Transportation (Traffic) and Commercial Department with effect from the 12th October 1938 forenoon.

Calcutta, the 7th November 1938.

No. O.P.E. 418/5.—Mr. P. Sahai, Assistant Superintendent, Junior Scale, on probation Mechanical Engineering and Transportation (Power) Department has been granted an extension of one day's leave not due on half average pay on medical grounds on the 24th July 1938 in continuation of the leave sanctioned, *vide* notification No. O.P.E. 418/P. 5, dated the 21st July 1938, published in the *Gazette of India*, Part II, dated the 30th July 1938.

J. A. BELL,

General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATIONS.

Calcutta, the 4th November 1938.

No. 30.—Mr. M. E. Bartley, Assistant Traffic Superintendent, is granted leave on average pay for 4 months with effect from the 1st December 1938 or subsequent date of relief.

L. W. VAN SOMEREN,

Traffic Manager.

Calcutta, the 5th November 1938.

No. 80-E./16.—Mr. B. W. Patterson, District Traffic Superintendent (Provisional) is permanently promoted to the Senior Scale of the Transportation (Traffic) and Commercial Departments with effect from the 26th July 1938.

Mr. J. D. B. Osborn, Assistant District Traffic Superintendent is confirmed provisionally in the Senior Scale of the Transportation (Traffic) and Commercial Departments with effect from the 26th July 1938.

A. F. HARVEY,

General Manager.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 29th October 1938.

No. 115.—The following officers of the I. R. S. E., are promoted from the Junior to the Senior Scale provisionally with effect from the 1st April 1938:—

1. Mr. A. C. Batra.
2. Major R. W. P. Yates, R. E.

C. F. CARSON,

Colonel,

General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 1st November 1938.

No. 21620-S./2225.—Mr. M. A. Mehkri, Assistant Controller of Stores (Junior Scale) was granted 1 month and 11 days leave on average pay with effect from 11th August 1938.

Mr. Nazir Sani, Assistant Engineer (Lower Gazetted Service) was granted 9 days leave on average pay with effect from 27th September 1938.

Mr. L. E. Dowling, Executive Engineer (Senior Scale) availed himself of 6 months and 16 days combined leave (*viz.*, 3 months and 20 days privilege and the balance furlough on half pay) from 21st March 1938 instead of 7 months as previously notified.

Mr. A. Whitney, Signal Engineer (Senior Scale) has been granted 5 months and 22 days combined leave (*viz.*, 2 months and 27 days privilege and the balance furlough on half pay) with effect from 10th October 1938.

Mr. H. K. Vacha, Assistant Engineer (Lower Gazetted Service) has been granted 2 months leave on average pay with effect from 14th October 1938.

Mr. M. A. Mehkri, Assistant Controller of Stores (Junior Scale) has been appointed to officiate as District Controller of Stores (Senior Scale) with effect from 13th October 1938.

Mr. H. N. Brock, Divisional Transportation Superintendent, availed himself of 6 months and 27 days combined leave (*viz.*, 4 months privilege and the balance furlough on half pay) from 10th March 1938 instead of 10 months and 3 days as previously notified.

Mr. J. A. Tower, Chief Transportation Su intendent (Administrative), availed himsel 10 months and 24 days combined leave (*viz* months and 11 days privilege and the bala furlough on half pay) from 19th November 1 instead of 10 months and 25 days as previou notified.

Mr. G. O. Dyer, Assistant Stores Offi (Lower Gazetted Service) has been granted months privilege leave with effect from 1' October 1938.

Mr. S. A. H. Granville, Depot Superintende is appointed to officiate as Assistant Stor Officer (Lower Gazetted Service), with effe from 17th October 1938.

J. H. F. RAPER,

General Manage

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

New Delhi, the 10th November 1938.

No. S.-177/9.—Mr. E. L. White, an officer of the Telegraph Traffic Service, Class II, attached to the Bombay Circle, is permitted to retire from service with effect from the 8th December 1938.

G. V. BEWOOR,

Director-General, Posts and Telegraphs.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, NOVEMBER 19, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 22nd October 1938.

On and after the 22nd October 1938, and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
Gazette including extraordinary issues and Supplement but excluding Part I-A	48	0	0	15	0	0
Parts I, II, II-A and III	35	0	0	12	0	0
Parts I, II and III	25	0	0	8	8	0
Parts I, II, III, IV, V & Supplement	37	0	0	11	8	0
Parts I, II and Supplement	31	0	0	8	8	0
Parts I and II-A	26	0	0	7	8	0
Parts I, II-A and IV	29	0	0	7	8	0
Parts I and IV	15	0	0	5	0	0
Parts I, IV, V and Supplement	26	0	0	7	0	0
Parts IV and V	6	0	0	1	8	0

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
Part I	12	0	0	5	0	0
Part I-A	4	8	0	2	8	0
Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	0
Supplement	10	0	0	2	8	0

PRICE OF SINGLE ISSUES.

	Including packing and Indian postage.		
	Rs.	A.	P.
Complete Gazette including Supplement, but *excluding* Part I-A	1	0	0
Parts I, II, II-A, III or Supplement each	0	6	0
Parts I-A, IV or V each	0	3	0
Extraordinary issues	Price fixed for each issue individually.		

There is no annual subscription for the Extraordinary issues. Copies of the part are supplied free of cost to those who subscribe for the complete *Gazette* or for Part I or for such other groups with which Part I is combined.

Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

Additional postage for supply of single copies outside India will be realised according to the actual postage to be incurred in despatching the particular part or parts to be supplied.

A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to Central and all Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of the entry is the date of resignation of the design included in that entry:—

Class 12 Nos. 57422 to 57427. Arni Kandasami Manicka Mudaliar of 62, Sami Pillai Street, Choolai, Madras, British India, November 27th 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library
MADRAS	Record Office. Egmore.
Do.	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa.
POONA	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.)	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Karachi, the 8th November 1938.

Portions of the following note of the Karachi Office of Issue are stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person/party who consider(s) himself/themselves as having a right to it is/are warned to communicate at once with the undersigned.

Note No.	Value.	Names and address of the applicant.
	Rs.	
S/34-692050	100	Allahdin s/o Karamdin, P. O. Yazmon, Mandi Ghandam, District Bhawalpur, State Bhawalpur.

P. D. CHATTERJEE,

Currency Officer.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT, KARACHI.

Calcutta, the 9th November 1938.

A portion of the following note of the Calcutta Office of Issue is stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person/party who consider(s) himself/themselves as having a right to it is/are warned to communicate at once with the undersigned.

Register No.	Note No.	Value.	Name and address of the applicant
		Rs.	
W.D./22 of 1938.	T/22-862101	100	Dhian Singh, P.O. and Village Waryam Nangal, *via* Kathu Nangal, District Amritsar. Present address, Abdal, Head Teacher, P. O. Sialka, *via* Jandiala Guru, District Amritsar.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT,
CALCUTTA.

P. K. BASU,

Currency Officer.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for September 1938.

(In lakhs of Rupees.)

	For September.		To end of September.		Whole year.	
	1937-38.	1938-39.	1937-38.	1938-39.	Revised, 1937-38.	Budget, 1938-39.
Revenue.						
Customs	3,62	3,24	21,10	18,57	43,93	43,81
Central Excise Duties	58	60	4,11	4,22	7,74	7,76
Corporation Tax	8	3	25	16	1,50	1,55
Taxes on Income other than Corporation Tax :—						
Gross receipts	1,47	1,43	4,89	4,68	13,50	13,70
Payments to Provinces	..	..	..	..	1.38	1,28
Net receipts	1,47	1,43	4,89	4,68	12,12	12,42
Salt	66	83	4,13	4,08	8,35	8,35
Opium	8	8	35	38	46	45
Posts and Telegraphs—Net receipts	7	—11	27	—17	1,15	75
Other heads	28	1,16	1,52	2,82	9,27	9,01
Contribution from Railways*	99	80	8,42	6,95	2,83	2,56
Total Revenue	7,83	8,06	45 04	41,69	87,35	86,66
Expenditure.						
Gross Debt charges	2,27	2,08	20,61	19,33	48,96	49,30
Deduct—Amount Chargeable to other Governments, Departments, etc.	77	24	6,33	7,22	34,12	34,68
Net Debt Charges	1,50	1,84	14,28	12,11	14,84	14,62
Defence Services (Net)	3,39	3,59	22,51	22,34	47,22	45,18
Other heads	1,49	1,61	10,42	11,62	25,29	26,77
Total Expenditure charged to Revenue	6.38	7,04	47.21	46,07	87,35	86,57
Expenditure not charged to Revenue	13	76	2,73	2,92	2,98	9,71
Debt Heads—						
Permanent Debt (Net) India	—1	—1,54	—9	+5,67	+92	—8
Ditto England	—12	—7	—1,54	—1,53	—6,85	—2,94
Treasury Bills (Net)	+2,29	+2,05	+7,95	+8,00	+6,00	+5,00
Ways and Means Advances (Net)	..	..	..	..	..	..
Other Debt Head Transactions (Net)	+2,80	+54	—3,12	—3,21	+3,67	+6,99
Total	+4,96	+98	+3,20	+8,93	+3,74	+8,97
Total Transactions	+6,28	+1,24	—1,70	+1,63	+76	—65
Opening Balance	2,81	11,70	10,79	11,31	8,64	9,40
Closing Balance	9,09	12,94	9,09	12,94	9,40	8,75
*Details of Railway figures.						
Receipts.						
Gross receipts	7,23	7,43	48.55	48,14	99,83	99,43
Deduct—Working Expenses	*5,91*	*6,48*	*32,08*	*33,35*	*64,80*	*65,05*
Surplus Profits	..	..	*43*	*40*	*52*	*46*
Payments to worked Lines	*13*	*14*	*1,43*	*1,27*	*3,02*	*2,81*
Net receipts	1,19	81	14,61	13,12	31,49	31,11
Subsidised Companies	..	4	2	7	12	13
Miscellaneous Railway Receipts	..	1	4	1	1,12	1,34
Total	1,19	86	14,67	13,20	32,73	32,58
Expenditure.						
Railway Revenue Account— Interest and other charges	20	6	6,25	6,25	29,90	30,02
Railway surplus + or Deficit—	99	80	8,42	6,95	+2,83	+2,56

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England and India respectively cancel each other.

NEW DELHI;

Dated the 9th November 1938,

A. C. GUPTA,

Accountant General, Central Revenues.

RESERVE BANK OF INDIA—PUBLIC DEBT OFFICE.

ment of Government Promissory Notes enfaced for payment of Interest in London, under deduction of amount e-transferred to India, and outstanding in the Books of the Indian Government Rupee Loans Office, Reserve Bank f India on the 31st October 1938.

	2½ PER CENT. LOAN.	3 PER CENT. LOANS.			3½ PER CENT. LOANS.					
TICULARS.	1948-52.	1896-97.	BONDS, 1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.
e of 30th ptember 1938	*Nil*	11,19,700	*Nil*	1,06,700	26,40,200	94,46,100	40,48,900	10,83,100	4,35,650	3,30,65,600
ount of Loan rtificate Transrred to Stock London .	...	...	...	...	...	...	...	...	...	...
ount issued in ondon by Conersion under Notification No. . .	...	...	...	...	...	...	...	...	...	...
ount enfaced at Madras up to	...	...	...	...	...	...	...	...	...	...
ount enfaced at Bombay up to 7th October 1938 . .	...	...	...	200	...	...	...	...	...	...
ount enfaced at Calcutta between and 1938.	...	...	...	...	...	...	...	...	...	...
	Nil	11,19,700	*Nil*	1,06,900	26,40,200	94,46,100	40,48,900	10,83,100	4,35,650	3,30,65,600
uct— mount written off in the London Registers . .	...	...	...	...	13,000	20,800	16,500	11,000	...	...
ance on 31st ctober 1938 .	*Nil*	11,19,700	*Nil*	1,06,900	26,27,200	94,25,300	40,32,400	10,72,100	4,35,650	3,30,65,600

	4 PER CENT. LOANS.		4½ PER CENT. LOAN.	5 PER CENT. LOANS.				5½ PER CENT. LOANS.		
PARTICULARS	BONDS, 1943.	1960-70.	1955-60.	Indian War Loan, 1929-47.	1945-55.	1939-44.	1940-43.	War Bonds, 1928.	1938-40.	TOTAL.
nce of 30th September 1938	2,00,00,000	6,42,100	4,500	100	25,03,100	3,86,100	5,38,700	100	1,88,000	7,62,08,650
— mount of Loan Certificate Transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
mount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
mount enfaced at Madras up to	...	...	...	...	...	...	...	...	...	...
mount enfaced at Bombay up to 7th October 1938.	...	...	...	...	2,500	...	...	...	...	2,700
mount enfaced at Calcutta between and 1938.	...	...	...	...	...	...	...	...	...	...
	2,00,00,000	6,42,100	4,500	100	25,05,600	3,86,100	5,38,700	100	1,88,000	7,62,11,3
ct— mount written off in the London Registers . .	...	...	...	...	1,200	...	...	...	1,88,000	2,50,
nce on 31st tober 1938	2,00,00,000	6,42,100	4,500	100	25,04,400	3,86,100	5,38,700	100	*Nil*	7,59,60

RESERVE BANK OF INDIA, S. A. RAHIM, Accountant. R. A. B. ALLAN, Manager

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 9th November, 1938.

No. 38.—On return from leave Mr. R. A. B. Allan is reposted as Manager, Reserve Bank of India, Calcutta as from the close of business on the 3rd November 1938 *vice* Mr. L. Pertwee transferred to Madras.

MANILAL B. NANAVATI,
Deputy Governor.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 9th November 1938.

No. F.-820/37.—1st Class Assistant Surgeon E. Duckworth, M.B.E., I.M.D., took over charge of the Medical Store Depot, Lahore Cantonment on the afternoon of 20th October 1938, relieving Major M. K. Kelavkar, M.B.E., I.M.S., proceeding to New Delhi to assume charge of the duties of Assistant Director General, Indian Medical Service (Stores).

No. 123-P.—The services of 4th Class Assistant Surgeon D. J. W. D'Coasta, I.M.D., are replaced at the disposal of the Director of Medical Services in India with effect from the 19th October 1938.

New Delhi, the 12th November 1938.

No. 124-P.—The services of the undermentioned Sub-Assistant Surgeons of the Indian Medical Department are replaced at the disposal of the Director of Medical Services in India with effect from the dates shown against their names:—

No. 2253 Jemadar Ali Muhammad Khan, 18-10-1938.

No. 1860 Jemadar Gowardhan Singh, 19-10-1938.

No. 1869 Jemadar Gurbaksh Singh, 20-10-1938.

Subadar Muhammad-din, Khan Sahib, 29-10-1938.

Subadar Muhammad Hassan, 30-10-1938.

E. W. C. BRADFIELD,
Major General, I.M.S.,
Director General, I.M.S.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

The following is a statement of the cash balances of the Central Government on the last day of October 1938 :—

	Rs.
(1) At the Reserve Bank of India in India	6,30,39,000
(2) At treasuries in India . .	15,36,000
(3) In England (Sterling converted at 18*d*. the Rupee) . .	76,45,000
TOTAL .	7,22,20,000

NEW DELHI;
The 17th November 1938.

A. C. GUPTA,
*Accountant General,
Central Revenues.*

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATIONS.

Calcutta, the 9th November 1938.

No. 1645.—Mr. D. K. Rennick, M.B.E., Superintendent, is granted under the Fundamental Rules leave preparatory to retirement on average pay for 4 months from the 25th December 1938.

Calcutta, the 11th November 1938.

No. 1646.—Major (Comsy.) T. A. Whitmarsh, Head Draftsman, Army Section, No. 6 Drawing Office, is granted leave out of India, on Medical Certificate, on average pay for 4 months under F. R. 100 and in continuation furlough under Military rules for 2 months, with effect from the 26th October 1938.

Calcutta, the 12th November 1938.

No. 1647.—Mr. J. McCraken, M.B.E., Superintendent, is granted under the Fundamental Rules leave out of India, preparatory to retirement, on average pay for 8 months from the 24th December 1938.

No. 1648.—Captain I. H. R. Wilson, R. E., Superintendent, is granted under the Fundamental Rules leave out of India on average pay for 7 months and 15 days and on half average pay for 4 months and 6 days with effect from the 15th November 1938 or date of availing.

Calcutta, the 15th November 1938.

No. 1649.—With reference to this office Notification No. 1631 dated 24th March 1938, Mr. R. C. Malcolm, Superintendent Mathematical Instrument Office, is granted extension of leave on half average pay by two days, *viz.*, for the 19th and 20th October 1938.

C. G. LEWIS,
Brigadier,
Surveyor General of India.

SURVEY OF INDIA.

List of maps published during the month of October 1938.

GEOGRAPHICAL, GENERAL AND SPECIAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Description.	Year of survey.	Date of edition.	Number of sheets.	Size in inches.	Price.	Remarks.
					Rs. As.	
SPECIAL MAPS.						
CANTONMENT PLANS.						
(Scale 16 inches to 1 mile.)						
*Râwalpindi Cantonment Sheets Nos. 2, 5 and 9.	1936-37	1938	3	Various	2 0 per sheet	Third (Revised) Edition.

*The publication of these sheets now completely supersedes item No. 217 of Appendix 5 of the Map Catalogue. The remaining 7 sheets have already been published.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Index Number.	District, etc.	Year of survey.	Date of current edition.	Price.	Remarks.
				Rs. As.	
					Underlining for Map Catalogue :—
	ONE-INCH MAPS.				(a) Double red line.
	(Scale 1 inch to 1 mile.)				
34 $\frac{N}{5}$	Parts of Quetta-Pishîn and Zhob Districts.	1907-09	1938	1 8	Third Edition, Gridded.
64 $\frac{H}{14}$	Part of Raipur District .	1936-37	1937	1 8	(a) Complete map.
*94 $\frac{A}{10}$	Part of Toungoo and Yamethin Districts and Southern Shan States.	1925-26 1936-37	1938	1 8	(a) Third (Revised) Edition.
94 $\frac{H}{15}$	Part of Amherst Districts .	1923-24	1938	1 8	Second Edition.
95 $\frac{E}{9}$	Part of Amherst District .	1922-23	1938	0 12	Ditto.
*96 $\frac{J}{6}$	Part of Mergui District .	1921-22	1938	1 8	Ditto.

Stock copies of the following maps were gridded during the month :—

53 $\frac{L}{14}$ and 53 $\frac{L}{15}$.

*Copies of these maps are obtainable from the Curator, Government Book Depot, Rangoon, Burma.

The following were also published during the month and are obtainable from the Director, Geodetic Branch, Survey of India, Dehra Dûn.

1. Tide Tables—Hooghly 1939.
2. Tide Tables—Rangoon 1939.
3. Tide Tables—Bombay 1939.

C. G. LEWIS, Brigadier,
Surveyor General of India.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI.

NOTIFICATIONS.

New Delhi, the 15th November 1938.

No. 8564.—Dr. S. V. Desai, Second Assistant Agricultural Bacteriologist, is granted an extension of leave on half average pay for one month and four days from the 20th November, 1938.

No. 8565.—Mr. P. B. Sanyal, Laboratory Assistant on the Establishment of the Imperial Agricultural Chemist will continue to officiate as Second Assistant Agricultural Bacteriologist *vice* Dr. S. V. Desai granted leave.

B. VISWA NATH,

Director.

ROYAL INDIAN NAVY.

NOTIFICATIONS.

LEAVE.

New Delhi, the 10th November 1938.

No. 66.—Engineer-Commander H. Harvey, R. I. N., is granted 8 months' combined leave, out of India, on private affairs, with effect from 4th November 1938. The first 3 months will reckon as privilege leave.

C. J. NICOLL,

Captain,

for Flag Officer Commanding,

Royal Indian Navy.

APPOINTMENTS.

New Delhi, the 10th November 1938.

No. 67.—Lieutenant-Commander W. R. Shewring, R.I.N., is appointed Staff Officer (Intelligence) on the Staff of the Flag Officer Commanding, Royal Indian Navy, with effect from 1st November 1938.

No. 68.—Lieutenant-Commander J. Lawrence, R. I. N., is appointed Staff Officer (Operations) on the Staff of the Flag Officer Commanding, Royal Indian Navy, with effect from 1st November 1938.

HERBERT FITZHERBERT,

Rear-Admiral,

Flag Officer Commanding,

Royal Indian Navy.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
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The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 19th November 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 9th November 1938.

No. 1-An.—The undermentioned officiating Deputy Assistant Controllers of Military Accounts in the office of the Controller of Military Accounts, Eastern Command reverted to their substantive grade with effect from the date shown against each:—

Mr. H. B. Chatterjee—26th October 1938 (A. N.).

Mr. S. K. Chatterjee—29th October 1938 (A. N.).

New Delhi, the 11th November 1938.

No. 1-An.—Mr. M. Srinivasa Rao, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command was granted privilege leave for 1 month and 11 days with effect from the 19th September 1938 with permission to affix thereto Sunday the 30th October 1938.

No. 5-An.—The undermentioned accountants in the office of the Controller of Military Accounts, Southern Command have been appointed to officiate as Deputy Assistant Controllers of Military Accounts in that office with effect from the dates shown against their names:—

Mr. C. K. Nair—21st October 1938 (F. N.)

Mr. B. B. Tarawade—25th October 1938 (F. N.)

Mr. S. P. R. Sarma—2nd November 1938 (F. N.)

M. R. COBURN,

Military Accountant General.

INCOME TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 10th October 1938.

No. 11460-A.-C. T./2E./50.—Mr. S. K. Ghosh, B.A., Assistant Commissioner of Income-tax, Range No. VI, is, in addition to his own duties, appointed to act as the Assistant Commissioner of Income-tax, Range No. III, with effect from the 10th October 1938, *vice* Mr. J. C. Gupta, B.A., Assistant Commissioner of Income-tax, Range No. III, granted leave.

Calcutta, the 31st October 1938.

No. 13019-A.-C. T./2E./50.—Mr. S. K. Ghosh, B.A., Assistant Commissioner of Income-tax, Range No. VI, is appointed to act as the Assistant Commissioner of Income-tax, Range No. III, *vice* Mr. J. C. Gupta, B.A., Assistant Commissioner of Income-tax, Range No. III, granted leave.

S. N. BANERJEA,

Commissioner of Income-Tax, Bengal.

GOVERNMENT OF THE UNITED PROVINCES.

Education Department.

NOTIFICATION.

MISCELLANEOUS.

Allahabad, the 19th October 1938.

No. F./807/XV-819.—The agreement printed below which has been entered into by the Shri Sanskrit Hitkarni Sabha, Auraiya, District Etawah, in accordance with the provisions of part VII of the Land Acquisition Act, 1894 (I of 1894), as amended by the Land Acquisition Amendment Act, 1923 (XXXVIII of 1923) is hereby published for general information under section 42 of the said Act.

AGREEMENT.

An agreement made this 1st day of September 1938, between the Governor of the United Provinces (herein called the "Governor") of the one part, and the Shri Sanskrit Hitkarni Sabha, Auraiya, District Etawah a society registered under the Societies Registration Act, 1860 (herein called the "school society") of the other part.

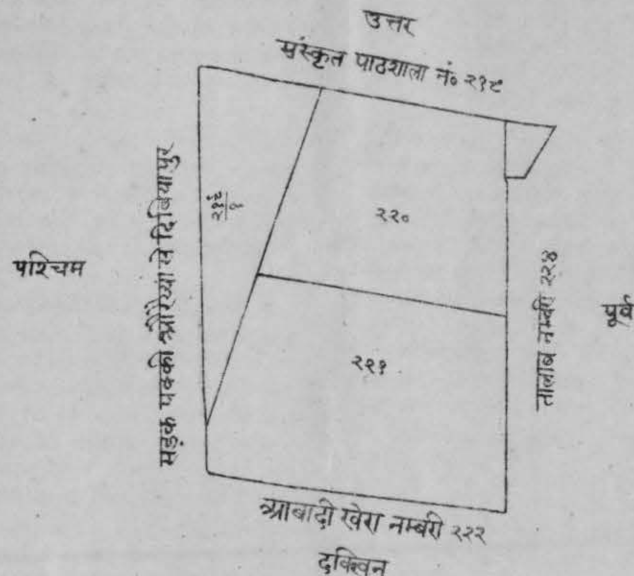
Whereas the managing committee of the school society has made an application to the Government of the United Provinces (herein called the Provincial Government) to acquire for the purposes of the school society under the provisions of the Land Acquisition Act of 1894, the plots of land described in the schedule hereto and delineated on the plan hereto annexed amounting to 0·64 acre. And whereas the Provincial Government is satisfied that the school society is a company within the meaning of section 3(e) of the Land Acquisition Act, 1894 (I of 1894); and whereas the Provincial Government after making and holding such enquiry as is required and prescribed by law, is satisfied that the acquisition of the said land is needed for a work, namely for the extension of the building of the Sanskrit Pathshala, Auraiya, District Etawah and that such work is likely to prove useful to the public: and whereas under section 41 of the said Land Acquisition Act the school society is required to enter into an agreement with the Governor regarding the matters specified in the aforesaid section. Now it is hereby agreed and declared as follows:—

(1) That the school society will pay to the Provincial Government or such person or persons as the Provincial Government may appoint in this behalf all such sum or sums of money as shall be awarded under the provisions of the aforesaid Land Acquisition Act, as compensation to any person or persons who may be found on enquiry held under the provisions of the said Act be interested in the said land whether the amount of such compensation exceeds the estimates upon which the application of the school society is based or not.

(2) That the school society will also pay to the Provincial Government from its funds all such other charges as may be incidental to the

नक़शा नम्बरान २१९, २२० और २२१
मौज़ा नरायनपुर परगना औरैय्या
ज़िला इटावा

पैमाना १ इञ्च = $\frac{१}{४}$ मील



(Sd.) Shadi Lal, Patwari.
6-5-38

द: जानकी प्रसाद चतुर्वेदी ब: खुद
मंत्री श्री संस्कृत हितकारिणी सभा
औरैय्या

ता० ७-५-१९३८ ई०

(Sd.) P. M. KHAREGAT,
Secretary to Government,
U.P., Education Department.
1-9-38.

GOVT. CENTRAL PRESS, ALLAHABAD.

acquisition of the said land, as mentioned in clauses 1 and 2 hereof, the Governor will forthwith in consideration of such payments transfer and grant to the school society the aforesaid plot of land shown on the plan annexed hereto free from all encumbrances and occupancy rights and together with all rights, easements and appurtenances thereto belonging or enjoyed therewith to hold the said plots of land to the school society for ever subject to the conditions hereinafter set forth, namely :—

(a) That the school society will perpetually hold and use the said plots of land for the purpose of extension of the building of the Sanskrit Pathshala at Auraiya, District Etawah and for other purposes connected with the work of the school society as the Provincial Government may from time to time approve and permit.

(b) That the school society will within twelve months after possession of the said land is given to it will at its own cost completely fit it for use and maintain the same for the aforesaid purpose.

(c) That the public shall be allowed the benefits of the said land in accordance with the rules of the school society now in force and the school society will not alter the said rules and bye-laws in such manner as to impose any greater restrictions than now exist upon the rights of the public to use the said land.

(d) That if the school society no longer requires the land for the purpose of the school society then the school society will forthwith relinquish and restore the same in the manner laid down in the Rules and orders of the Government of the United Provinces for the time being in force in this behalf.

(e) That if the school society shall at any time commit a breach of any of the covenants of the school society herein contained, it shall be lawful for the Governor to enter upon the said plots of land and take the same for his own use and thereupon the transfer made in favour of the school society shall become null and void and the said plots of land and all improvements made therein shall vest in His Majesty for the purpose of the Government of the United Provinces and the school society shall not be entitled to any compensation therefor.

Provided always that it is hereby agreed that whenever such an interpretation would be requisite in order to give the fullest scope and effect legally possible to any covenant or contract herein contained the expression "the Governor" hereinbefore used includes his successors and assigns and the expression "the school society" hereinbefore used includes its successors and assigns and any trustee or trustees in whom the property of the school society may for the time be vested.

In witness whereof the parties hereto have set their hands this 1st day of September 1938.

Signed on behalf of the school society by Chaudhry Janki Prasad, son of Chaudhry Debi Prasad, resident of town Auraiya, District Etawah.

Witness—

1. B. BAJPAI,

Headmaster.

Address—

A. V. High School,

Auraiya.

The 20th March 1938.

Witness—

2. JASODA NANDAN DIXIT.

Address—

Auraiya, Etawah.

The 20th March 1938.

JANKI PRASAD CHATURVEDI,

Secretary,

Sanskrit Pathshala,

Auraiya, District Etawah.

The 20th March 1938.

Witness—

1. B. BANERJI,

Civil Secretariat.

The 1st September 1938.

Witness—

2. B. L. SAH,

Civil Secretariat, U. P.

The 1st September 1938.

P. M. KHAREGAT,

Secretary to Government,

United Provinces,

Education Department.

The 1st September 1938.

By order, etc.,

P. M. KHAREGAT,

Secretary.

The Schedule herein referred.

The following plots of land situated in Mauza Narainpur, Pargana Auraiya, district Etawah containing by admeasurement 0·64 acres—

Plot No.	Area.
219	·19 acres.
220	·20 acres.
221	.25 acres.
3	0·64 acres.

Bounded on the North by Building Sanskrit Pathshala No. 218.

Bounded on the South by Awadi Khera No. 222.

Bounded on the East by Tank No. 224.

Bounded on the West by Pacca road from Auraiya to Phaphund (Dibigapure) station.

JANKI PRASAD CHATURVEDI,
Secretary,
Shri Sanskrit Hitkarni Sabha,
Auraiya, District Etawah.

The 20th March 1938.

P. M. KHAREGAT,
Secretary to Government,
United Provinces,
Education Department.

The 1st September 1938.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the creditors in column 3 of the debtors in column 4 on dates given in column 1, orders of adjudication in insolvency against the said debtors were made by the High Court of Judicature at Madras on the dates given in the last column.

Date of filing.	No. of petition.	Name of the petitioning creditor.	Name and address of the insolvent.	Date of adjudication.
1	2	3	4	5
6th August 1938.	202 of 1938.	V. L. Varadaraj	B. V. Doraisamy Naidu, 42, Thiruvengada Mudali Street, Periamet, Madras.	19th September 1938.
13th August 1938.	208 of 1938.	C. Nagore Chetty and Co. . .	C. Parthasarathy Nadar (deceased), lately carrying on business in fire wood at Cochrane Basin Road—Moolakothalam, Madras.	27th September 1938.
15th August 1938.	209 of 1938.	Megraj Navendram Virbhandas Naraindas.	B. Krishniat Chetty, carrying on business at 31, Varada Muthiappan Street, Madras.	Do.
29th August 1938.	223 of 1938.	Seth Hari Bagwandas Govindram .	M. Bala Krishna Naidu and Govindammal, carrying on fruit business at 24, Bunder Street, G. T., Madras.	29th September 1938.
2nd September 1938.	226 of 1938.	Ankalayya Achari . . .	P. R. Nagalinga Achari, goldsmith, residing at 18, Thirumalayappa Mudali Street, Pirasawalkam, Madras.	15th September 1938.
Do.	227 of 1938.	P. Lakshmanasamy Pillai . .	A. Thiruvengada Mudali *alias* A. Rajabather Mudali, carrying on business in provisions in Madhavaram High Road, Perambur, Madras.	10th October 1938.

Date of filing. 1	No. of petition. 2	Name of the petitioning creditor. 3	Name and address of the insolvent. 4	Date of adjudication. 5
15th September 1938.	239 of 1938.	P. K. Lakshminarayanan	C. L. Padmanabhan, lately a treasurer in the Madras General Post Office, and Chief Cashier, Central Bank of India (Madras Branch), now a convict No. 4465, undergoing imprisonment in the Madras Penitentiary.	26th September 1938.
20th September 1938.	245 of 1938.	A. Sarangapani Mudaliar	A. Rajagopalaraju, till lately carrying on business at 38, Venkatachala Mudali Street, Park Town, and residing at 2, Perumal Coil Garden, 2nd lane, Sowcarpet, Madras.	4th October 1938.
11th October 1938.	264 of 1938.	Kuppuswami Naidu	O. Thirunavukkarasu Chetty, carrying on business in fruits at 33, Bunder Street, George Town, Madras.	17th October 1938.
15th October 1938.	268 of 1938.	T. S. Veerasamy Iyer and others	K. R. Velayudham Chetty, till recently carrying on a hotel under the name and style of Neo Nalanda Military Hotel at 1/31, Ayya Mudali Street, Chintadripet, residing at 2, Mangapatty Naicker Street, Chintadripet, Madras.	Do.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 8th November 1938.

R. JAYARAM,
First Asstt. Registrar.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that the order of this Court adjudging debtor insolvent mentioned in column 2, pursuant to the provisions of Act III of 1909 (the Presidency Towns Insolvency Act) was annulled by order made on the date noted against it in column 3.

No. of petition. 1	Name and address of the insolvent. 2	Date of annulment. 3
433 of 1932.	K. Narasimhachari, *alias* A. V. Chakravarthy Bhattachari, 40, Malayappan Street, Park Town, Madras.	5th September 1938.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
8th November 1938.

R. JAYARAM,
First Asstt. Registrar.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATION.

P. O. New Forest (Dehra Dun), the 12th November 1938.

No. 1311.—Bakshi Sant Ram, P.F.S., Statistical Assistant Silviculturist, Forest Research Institute, Dehra Dun, is granted leave on average pay for one month and 17 days with effect from the 7th November 1938 with permission to prefix Sunday the 6th November 1938 and to suffix the Christmas and New Year's day holidays from the 24th December 1938 to the 1st January 1939 (both days inclusive) to his leave.

L. MASON,
Inspector General of Forests.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 9th November 1938.

No. E.P. 438/II.—Mr. A. G. Stavridi, Executive Engineer, has been granted 102 days privilege leave combined with furlough for 8 months and 1 day on half pay to Europe with effect from the 17th November 1938 or subsequent date of relief.

Calcutta, the 12th November 1938.

No. E.P. 473/IV.—Mr. R. C. Harvey, Assistant Executive Engineer has been granted 5 months leave on average pay combined with 2 months and 23 days leave on half average pay to Europe with effect from the 1st December 1938 or subsequent date of relief.

Calcutta, the 14th November 1938.

No. E. P.-45-1/II.—Mr. L. D. J. Turnbull Executive Engineer has been granted 66 days privilege leave combined with furlough for 2 months and 1 day on full pay out of India with effect from the 17th November 1938 or subsequent date of relief.

J. A. BELL,

General Manager.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 9th November 1938.

No. 116.—Mr. W. E. Gelson, Assistant Bridge Engineer and Officer on special duty, Central Standards Office, New Delhi, is granted leave (out of India) for 10 months, *viz.*, leave on average pay for 8 months and on half average pay for the remaining period with effect from 15th November 1938 or subsequent date of relief.

C. F. CARSON,

Colonel,

General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATIONS.

Bombay, the 8th November 1938.

No. 21620-S./2232.—1. Mr. A. Pickard, Assistant Signal Engineer (Junior Scale) has been appointed to officiate as Signal Engineer (Senior Scale) with effect from 10th October 1938.

2. Mr. P. N. Dubash, Assistant Engineer (Lower Gazetted Service) was granted 4 days leave on average pay with effect from 15th October 1938.

3. Dr. N. B. Mehta, Assistant Traffic Manager (Junior Scale) has been appointed to officiate in the Senior Scale with effect from 25th October 1938.

4. Mr. J. E. Barton, District Controller of Stores (Senior Scale) has been granted 5 months and 8 days' combined leave (*viz.*, 4 months' privilege and the balance furlough on full pay) with effect from 25th October 1938.

5. Major R. B. Emerson, R.E., Assistant Executive Engineer (Junior Scale) has been appointed to officiate as District Controller of Stores (Senior Scale) with effect from 25th October 1938.

6. Mr. S. Barber, Assistant Transportation Superintendent (Senior Scale) has been granted 11 months and 3 days' combined leave (*viz.*, 4 months privilege, 2 months furlough on full pay and the balance furlough on half pay) with effect from 26th October 1938.

7. Mr. K. M. Rau, Assistant Electrical Engineer (Junior Scale) who was granted 1 month and 3 days privilege leave with effect from 19th September 1938, has been granted an extension of eight days privilege leave with permission to affix Sunday the 30th October. 1938.

8. Mr. H. Holt-Keene, Assistant Electrical Engineer (Junior Scale) has been substantively promoted to the Senior Scale with effect from 5th October 1938.

Bombay, the 11th November 1938.

No. 21620-S./2238.—(1) Major J. E. Clutterbuck, R.E., Assistant Executive Engineer, junior scale, was granted three days' leave on average pay with effect from 6th October 1938.

(2) Mr. M. D. Balaraman, Assistant Transportation Superintendent, junior scale, was granted ten days' leave on average pay with effect from 16th September 1938.

(3) Mr. K. M. L'Evine, Assistant Mechanical Engineer, junior scale, has been granted ten months' combined leave, *viz.*, 3 months and 14 days leave on average pay and 6 months and 17 days leave on half average pay, with effect from 31st Ootcber 1938, with permission to prefix Sunday, the 30th October 1938.

(4) Mr. H. Holt-Keene, Electrical Engineer, senior scale, has been granted 1 month and 10 days' privilege leave with effect from 31st October 1938, with permission to prefix Sunday, the 30th October 1938, and affix Sunday, the 11th December 1938.

(5) Dr. H. R. Rishworth, District Medical Officer, senior scale, who was granted 12 months and 15 days' combined leave with effect from 18th October 1937 has been granted an extension of 2 days' furlough on half pay by the High Commissioner for India.

J. H. F. RAPER,

General Manager.

REGISTERED No. L. 3131.

ERRATUM.

The word "Draft" in each of the three notifications (I, II and III) by the Collector of Salt Revenue, Madras, appearing on pages 1215-1218 of Part II of the *Gazette of India*, dated the 15th October 1938, should be deleted.

The Gazette of India

NEW DELHI, SATURDAY, NOVEMBER 26, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 22nd October 1938.

On and after the 22nd October 1938, and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Part II	12	0	0	4	0	0
Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
Part V	3	4	0	1	8	6
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E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 26th November 1938.

Special Notice.

It is hereby notified for general information that the following Bills have been published by the Government of Aden :—

(i) Bill for an ordinance to provide for the registration in the colony of letters patent granted in the United Kingdom.

(ii) Bill for an ordinance for the protection in the colony of designs registered in the United Kingdom.

The copies of the Bill may be inspected free of charge at the Patent Office, No. 1, Council House Street, Calcutta.

Corrigenda.

(1)

In this office notifications in the *Gazette of India*, Part II, dated the 17th September 1938, under the heading "Printed Specifications Published", *for* the entry "23755. Carlin" *substitute* the following entry :—

"23775. Carlin".

(2)

In this office notifications in the *Gazette of India*, Part II, dated the 12th November 1938, under the heading "*Applications for Patents*" against entry number 25836 *for* "(September 1, 1937)", *substitute* "(November 1, 1937)".

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

November 12, 1938.

25873. The General Electric Co. Ld., Improvements in or relating to circuits for operating high-pressure mercury-vapour lamps (December 1, 1937). [Addition to No. 24595.]

25874. The General Electric Co., Ld. Improvements in the manufacture of articles of fused silica and the like. (December 8, 1937).

25875. The General Electric Co., Ld. Improvements in the sealing of electric conductors through glass. (December 13, 1937).

25876. The General Electric Co., Ld. Improvements in methods of attaching metallic layers to vitreous or ceramic bodies. (December 15, 1937).

25877. The General Electric Co., Ld. Improvements in electric circuits adapted to operate electric discharge devices. (December 17, 1937).

25878. The General Electric Co., Ld. Improvements in combinations of electric discharge devices with incandescent filaments in series with them. (January 6, 1938).

November 14.

25879. G. M. Hoi. Connecting the ends of railway rails.

25880. S. H. Gordon and W. F. Young. Improvements relating to electric flash welding machines. (November 17, 1937).

25881. Marconi's Wireless Telegraph Co., Ltd. Improvements in or relating to aerial systems. (December 24, 1937).

25882. I. G. Farbenindustrie Aktiengesellschaft. Process for the production of fast finishes and dyeings on textile material. (September 29, 1938).

25883. The General Electric Co., Ld. Improvements in electric circuits for operating electric discharge devices from an alternating current supply. (November 25, 1937).

25884. The General Electric Co., Ld. Improvements in electric discharge lamps. (December 9, 1937). [Addition to No. 20683.]

25885. The General Electric Co., Ld. Improvements in circuit arrangements for operating electric discharge devices. (December 30, 1937).

25886. The General Electric Co., Ld. Improvements in high-pressure mercury-vapour electric discharge devices. (January 4, 1938).

25887. The Dorr Company Inc. Improvements in and relating to sedimentation tanks.

November 15.

25888. M. Jan. Improvements in or relating to water pumping means.

25889. F. Z. Bhatti & Co. Improved table and method of constructing the same.

25890. Alluvial Mining Equipment Limited. Improvements in and relating to locking means for bucket pins. (December 11, 1937).

25891. Universal Oil Products Company. Process for the hydrogenation of unsaturated hydrocarbons.

25892. H. Moreau. Improvements in the climatization of premises and new confined enclosures to which these improvements are applied.

25893. J. H. Ford. New group of compounds.

25894. L. B. Kilgore. Composition of matter having valuable insecticidal and other properties.

25895. A. Chopra. Improved respirator device.

November 16.

25896. M. J. F. Baldwin. Improvements in or relating to air heaters for drying tea.

25897. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). Method and device for feeding the dust fuel into the cylinders or admission chambers of dust-fuelled engines.

25898. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). A device for feeding fuel into the cylinders or admission chambers of dust-fuelled engines.

25899. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). Large capacity bunkers for dust-fuelled engines.

25900. The General Electric Company Limited. Improvements in electric circuits for operating electric discharge devices from an alternating current supply. (July 18, 1938). [Addition to No. 25883].

November 17.

25901. B. Lal. Improvements in or relating to irrigation pumps or the like.

25902. Ehrich & Graetz Aktiengesellschaft. Improvements in or relating to preheaters for lighting and heating apparatus fed by liquid fuel under air pressure.

25903. Ringfeder G. m. b. H. Improvements in or relating to leaf springs.

25904. The Indian Hume Pipe Company Limited. Improvements in or relating to apparatus for consolidating concrete by vibration in forms or moulds.

25905. B. Nier. Hurricane lantern chimney with printed band.

November 18.

25906. T. D. Kelly. Improvements in and connected with electric furnaces.

25907. Standard Telephones and Cables Limited. Improvements in or relating to electric signalling systems. (November 19, 1937).

25908. Asa Singh. An improved driving unit.

25909. Asa Singh. An improved chaff cutter.

25910. The General Electric Company Limited. Improvements in electric glow discharge lamps. (December 2, 1937).

25911. Fichtel & Sachs Aktiengesellschaft. Motorized bicycle hub with free-wheel mechanism and back pedalling brake. [Addition to No. 24951].

Alteration of Date.

(1)

25695. Ante-dated 16th August 1937 under section 5.

(2)

25830. Ante-dated 13th June 1938 under section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24331. E. G. Huzenlaub and J. H. Rogers. An improved process for the treatment of rice. (February 5, 1937). *Placing the grain in pressure vessel, blowing steam into it and after accumulation suddenly releasing steam pressure.*

24341. Dr. B. S. Bharade, and S. V. Nathan. Improvements in or relating to hand looms. *Plurality of length of cloth woven simultaneously by a single operator with lifting arrangement for ready access to a lower weaving frame.*

24432. J. J. Rawlings and The Rawlplug Company Ltd. Improvements in or relating to wall and like plugs. *Mixture of fibres and cement maintained in tubular form prior to moistening preparatory to use by suitable binding means.*

24631. W. A. Porter. Improvements in the manufacture of pipes and the like of concrete or other cementitious material. *Rotating mould is continuously displaced by reciprocation in horizontal plane transversely to its axis and the material is subjected to positive radial compacting pressure.*

24672. Ruhrchemie Aktiengesellschaft. Process for producing lubricating oils. (October 1, 1937). *Double compound of a metal halogenide produced in an initial charge repeatedly used with further additions of metal halogenide.*

24833. Wellesley Holdings Ld. Improvements in or relating to a process for the manufacture of fertilisers from sewage sludge. (January 11, 1937). *Mixture of fibrous material and sewage sludge subjected successively to aerobic bacterial action, oxidation and dehydration.*

24863. Dunlop Rubber Co. (India) Ld. Improvements in collapsible segmental formers for tyre building. (January 29, 1937). *Pivot point of main part is offset from median plane of former.*

24967. The Research Association of British Flour Millers. An improved process for determining the baking qualities of wheaten flour dough and apparatus therefor. (March 23, 1937). *Testing doughs of similar elasticity modulus for their viscosity/elasticity modulus ratios and extensibility before tearing.*

25036. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). Improvements in method and apparatus for the fuel regulation in dust-fuelled engines. *Removeable dust transporting containers connected to two branches of a pipe conduit system and a mixing chamber at the discharge end.*

25141. Stoom-Meelfabriek "Holland" N. V. Device for conveying or delivering sacks, bags and similar packing means filled with a material of some kind. *In a slide device for slopping sacks or bags and delivering them one by one to a combining apparatus.*

25166. S. Shahab-Uddin. Musk melon—tobacco mixture. *Rough tobacco powder and seasoned and cut musk melon leaves mixed.*

25203. The General Electric Co., Ld. Improvements in high-pressure metal vapour electric discharge devices. (May 20, 1937). *At least one running Electrode provided with a store of thoria.*

25303. The Keelavite Co., Ld. Improvements in or relating to rotary fluid pressure engines and the like. (June 4, 1937). *Blades and rotary abutment in an annular chamber.*

25353. R. Santhanam. An improved coinfreed apparatus. *Packets stored in two compartments, so that when one is emptied delivery takes place for the other.*

25404. E. Voilas and M. Baladi. Improvements in joints for sub-soil drainage pipes. (November 15, 1937). *Two-part collar enclosing ends of pipes providing passages between collar and pipe ends.*

25450. The General Electric Co., Ld. Improvements in gas-tight junctions with quartz. *Coating quartz with vitreous layer, coating, porous metallic layer, thereon and soldering said metallic layer to metallic surface to be joined.*

25504. G. T. Wadaye. Improvement in the construction of metal vessels, which are used for handling hot solids or liquids. *Space between the vessel and its casing being empty or filled except for a ring above the base and handles joined to casing with washers.*

25508. I. G. Farbenindustrie Aktiengesellschaft. A process of producing indigo dyeings. (September 13, 1937). *Material padded with indigo white in alkaline neutral or acid solution and subsequently treated in alkaline reducing bath and then oxidised.*

25543. The General Electric Co. Ld. Improvements in glasses transmitting infra-red radiation. *Containing silica not more than 40% and one or more oxides of sodium potassium, strontium, barium and without boric and phosphoric acids.*

25695. E. G. Huzenlaub and J. H. Rogers. An improved process for the treatment of rice paddy and dehusked rice. (April 8, 1937). [Antidated August 16, 1937]. *Soaking accelerated by subjecting the steeping water to a pressure above atmospheric pressure and above vapour pressure of the steeping water.*

25777. R. Vastava. An improved stage for taking cinematographic pictures and for theatres. *A system of rectangular and circular revolving stages with a central hall.*

25830. Mrs. E. M. Gill. An improved apparatus for use with fish bolt locking means. [Antidated June 13, 1938]. *Rectangular frame with screwed spindle and seat for spanner operated screw-driver or pin extractor.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

23973. The Buell Combustion Co. Ld.
24274. Carl Hofmann Kommanditgesellschaft.
24356. 'Straba" Strassenbaubedarfs Aktiengesellschaft.
24357. The General Electric Company, Limited.
24426. Singh.
24440. I. G. Farbenindustrie Aktiengesellschaft.
24456. Platt.
24460. India Electric Works Limited.
24509. Slotemaker.
24540. Farrer.
24565. Porter.
24615. The General Electric Co., Ld.
25000. Sakamoto.
25003. Das and Baboo Fathechand.
25006. Reidinger.
25038. Naamlooze Vennootschap Organon.
25050. Luque Sugar. Process Inc.
25055. I. G. Farbenindustrie Aktiengesellschaft.
25060. Naamlooze Vennootschap Organon.
25067. Fluid Transfer Ld.
25074. Naamlooze Vennootschap Organon.
25076. Angirah.
25080. Societe D'Electrochimie D'Electrometallurgie Et Des Acieries Electriques D'Ugine.
25089. The Metal Box Co. Ld.
25125. Bhappu and Bhappu.
25169. Bhappu and Bhappu.
25170. Bhappu and Bhappu.
25190. Imperial Chemical Industries Ld.
25194. The General Electric Co. Ld.
25215. Sharp-Collett.
25226. The British Aluminium Co. Ld.
25227. Les Usines De Melle.
25230. Howard and Bullough, Ld., and Wilson.
25236. Casablancas High Draft Co. Ld., and F. Casablancas.
25242. Telefunken Gesellschaft fur drahtlose Telegraphie m.b.H.
25248. The Indian Hume Pipe Co. Ld.
25254. I. G. Farbenindustrie Aktiengesellschaft.
25260. Williams and Stewart Automatic Freezers Ld.
25270. The Superheater Co., Ld.
25274. Air Control Installations, Ld., and Oholm.
25277. Andrews.
25293. E. I. Du Pont De Nemours & Co.
25295. Slazenger.
25297. Dunlop Rubber Co. (India), Ld.
25314. Reddy.
25334. Societe Anonyme Des Manufactures Des Glaces Et Produits Chimiques De Saint-Gobain, Chauny and Cirey.
25336. Bent.
25338. Flexofiltration Ld.
25341. Frohlich.
25344. N. V. De Bataafsche Petroleum Maatschappij.
25365. The Flexcell Co.
25368. Muller.
25377. Universal Cellulose (Proprietary) Ld.
25384. Aristoc Ld.
25387. Gunnelius and Liander.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23861. Thermo-Electric Oil Extraction Ld.
24169. The Laterite Syndicate Ld.
24173. Standard Telephones and Cables Ld.
24176. Research Corporation.
24256. Fletcher.
24316. Symonds.
24470. Union Kupplung Aktiengesellschaft.
24573. Scroggie and Brodie.
24650. Shah.
24707. Colgate Palmolive-Peet Co.
24757. Brassert and H. A. Brassert & Co. Ld.
24758. et Lavigne.
24798. Hoag.
24802. Nyborg and The Mining Engineer Co. Ld.
24862. N. V. De Bataafsche Petroleum Maatschappij.
24886. Reynard and Thomas Ness Ld.
25002. Pilkington Brothers Ld.
25016. Imperial Chemical Industries Ld.
25018. Electric Selectors Limited.
25019. Electric Selectors Limited.
25020. Ezra and Ezra.
25027. Lohar.
25072. Asahina.
25073. Asahina.
25078. Wilkes and Whatmuff.
25085. Ashton-Hockly.
25369. Reynard and Thomas Ness Ld.
25383. Digby and Digby.

Patents Sealed.

23809. Anto Union A. G.
23886. Karantha.
23900. Auto Union A. G.
23916. Whitelegg & Rogers Ltd.
24142. Pross and Baldus.
24143. Rauchfuss.
24211. Pescara.
24244. Sett.
24320. Auto Uniôn A. G.
24321. Auto Union A. G.
24325. Elastic Rail Spike Co. Ld.
24433. Brevets Francotte Pour Chassis De Fenetres Metalliques, Societe Anonyme, En Abrege " Francochass ".
24561. Geha-Werke Gebruder Hartmann.
24568. Vyas.
24614. Freeman.
24636. The British Steel Piling Co. Ld. and Hiley.
24722. Chilowsky.
24733. Metallgesellschaft Aktiengesellschaft.
24774. I. G. Farbenindustrie Aktiengesellschaft.
24831. Maybach-Motorenbau Gesellschaft mit beschrankter Haftung.
24889. Societe de Prospection Electrique, Procedes Schlumberger.
24892. Sheffield and G. H. Sheffield & Co. (Engineers) Ld.
24897. Revri.
24911. L. Gardner & Sons Ltd.
24941. Ahmad.
24951. Fichtel & Sachs Aktiengesellschaft.
24952. Brammer.
24988. C. W. Cheney & Son Ld., and Cheney.
24995. Dr. Ing. C. Weicken & Co. Kommanditgesellschaft.
25005. Societe D' Etudes Et Applications Industrielles.
25029. Ilbery.
25030. British Smokeless & Oil Fuels Ld.
25031. Fraser and Douglas Fraser & Sons Ld.
25043. Lundberg and Flodin.
25048. Osterreichische Chemische Werke Gesellschaft, m. b. H.

Opposition Proceedings.

The opposition entered by M. G. Pai, to the grant of a patent on application No. 24497 made by W. Jefferies and Peirce, Leslie & Co., Ld. as notified in Part II of the *Gazette of India* dated the 26th March 1938, has been treated as abandoned.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

20556. J. Stone & Company Limited.

Renewal Fees Paid

PATENTS.

9886. The Buckeye Steel Castings Co. (To 6th December 1939).
9910. General Motors Research Corporation. (To 18th December 1939).
13174. Allgemeine Gesellschaft fur Chemische Indistrie m.b.H. (altered to Edeleanu Gesellschaft m.b.H.) (To 2nd March 1940).
13955. Associated Telephone & Telegraph Co. (To 9th January 1940).
14557. Beyer Peacock & Co., Ld. & anr. (To 29th December 1939).
15210. Lentz Patents Ltd. (To 2nd January 1940).
16446. Safety Mining Company. (To 18th November 1939).
16507. Standard Telephones & Cables Ltd. (To 9th December 1939).
16622. Aktiebolaget Siefvert & Fornander. (To 13th January 1940).
16712. Babcock & Wilcox Ltd. (To 10th February 1940).
16713. Babcock & Wilcox, Ltd. (To 10th February 1940.)
17565 Warren. (To 18th November 1939).
17581. Gray & Ors. (To 4th January 1940).
17666. The General Electric Co., Ltd. (To 22nd January 1940).
18519. Yamamoto. (To 23rd November 1939).
18576. McKercher. (To 15th December 1939).
18823. The General Electric Co., Ltd. (To 13th January 1940).
19159. Allmanna Svenska Elektriska Aktiebolaget. (To 31st December 1939).
19425. Beyer Peacock & Co. Ltd. & anr. (To 1st December 1939).
19448. Aluminum Colors Inc. (To 5th December 1939).
19464. The Firm Carl Hofmann. (To 12th December 1939).
19057. J. Duarry Serra. (To 19th December 1939).

19529. Olsson. (To 3rd January 1940).

19546. Dr. Foldi & anr. (To 3rd January 1940).

19564. Johnson. (To 22nd January 1940).

19577. American Cyanamid Co. (To 16th January 1940).

20240. van den Bel. (To 18th September 1939).

20401. Camillo Chiesa and Figlio. (To 22nd November 1939).

20504. The British Tabulating Machine Co. Ld. (To 13th January 1940).

21087. Dixon and anr. (To 13th August 1939).

21392. (Mrs.) De. (To 23rd November 1939).

21448. Automatic Electric Co. Ld. (To 5th January 1940).

21467. Crabtree. (To 17th December 1939).

21468. Thomson. (To 17th December 1939).

21470. The General Electric Co. Ld. (To 8th January 1940).

21485. Wheelwright. (To 23rd December 1939).

21487. The General Electric Co., Ld. (To 8th January 1940).

21488. The General Electric Co., Ld. (To 12th January 1940).

21505. Halbach & anr. (To 2nd January 1940).

21521. The General Electric Co., Ld. (To 22nd January 1940).

21541. International General Electric Co. of New York Ltd. (To 14th January 1940).

21548. Society of Chemical Industry in Basle. (To 14th January 1940).

21614. International General Electric Co. of New York Ltd. (To 4th February 1940).

21748. Ehrich & Graetz Aktiengesellschaft. (To 26th March 1940).

22404. The General Electric Co. Ltd. (To 6th December 1939).

22417. Schulz and ors. (To 19th December 1939).

22453. A. B. C. Coupler & Engineering Co. Ld. & anr. (To 31st December 1939).

22497. The General Electric Co., Ltd. (To 7th January 1940).

22523. Naamlooze Vennootschapp De Bataafsche Petroleum Maatschappij. (To 19th February 1940).

22612. Wilkinson. (To 2nd April 1940).

Cessation of Patents.

16077. British Celanese Ltd.

17290. Edey.

20150. Argonaut Corpn. Ld.

21038. Associated Electrical Industries Ld.

21077. Chatterjee.

21079. Cloud.

21081. F. S. Welman & anr.

21088. Balsach.

21311. Warr.

22063. Simplex Seed Sorters Ld.

22077. The Metallurgical Treatment Syndicate, Ltd.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets:—

Class 4 Nos. 63894 and 63895. Shri Dhar, Firozabad Distt. Agra, U. P. British India, October 20, 1938.

Class 13 Nos. 63705 to 63738. Juggilal Kamlapat Cotton Spinning & Weaving Mills Company Limited of Kamla Tower, Cawnpore, United Provinces, British India. September 12, 1938.

Class 13 Nos. 63932 and 63933. P. A. Veeri Chetty, Siddhappa Chetty, of Gugai, Salem, British India, October 24, 1938.

Class 13 No. 63941. The Central India Spinning, Weaving and Manufacturing Company Limited, of "Bombay House", Bruce Street, Fort, Bombay, October 28, 1938.

Class 13 No. 63943. The Ahmedabad Manufacturing and Calico Printing Co., Ltd. of Ahmedabad, Bombay Presidency, British India. October 29, 1938.

Class 13 Nos. 63946, 63948 and 63951. The Standard Mills Co., Ltd. of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. November 3, 1938.

Class 13 Nos. 63954 to 63957. The New Shorrock Spinning & Manufacturing Company Limited of Nadiad (District Kaira), Bombay Presidency, British India. November 4, 1938.

Class 13 Nos. 63958 to 63960. Sha Dwarkadas Dhanji, Mulji Jetha Market, Gaumukh Galli, Bombay 2, November 7, 1938.

Class 14 Nos. 63739 to 63752. Juggilal Kamlapat Cotton Spinning & Weaving Mills Company Limited of Kamla Tower, Cawnpore, United Provinces, British India. September 12, 1938.

Class 14 Nos. 63866 to 63869. B. C. L. Limited, of Wallace Road, Karachi, Sind, British India. October 11, 1938.

Class 14 No. 63877. The Svadeshi Mills Company Limited of "Bombay House", Bruce Street, Fort, Bombay. October 13, 1938.

Class 14 Nos. 63944 and 63945. The Calico Printers' Association, Limited, of St. James's Buildings, Oxford Street, Manchester, England. November 3, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 4 No. 57417. Camillo Chiesa and Figlio, of Via Tortona, 34, Milan, Italy. November 25th, 1933.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . .	Indian Institute of Science.
Do. . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . .	Department of Commerce and Industries.
BERLIN . .	The Reich Patent Office.
BOMBAY . .	Office of the Director of Industries.
CALCUTTA . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . .	Sadar Registration Office.
DELHI . .	Office of the Superintendent of Industries.
LAHORE . .	Punjab Public Library.
LUCKNOW . .	Amiruddaula Public Library.
MADRAS . .	Record Office, Egmore.
Do. . .	College of Engineering.
PATNA . .	Office of the Director of Industries, Bihar and Orissa.
POONA . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.) .	The Patent Office.

B.—Where publications other than printed specifications are available : —

LONDON . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATIONS.

Calcutta, the 15th November 1938.

No. 1650.—Captain J. S. O. Jelly, R. E., Officiating Superintendent, is granted under the Fundamental Rules leave on half average pay for 24 days from 6th October 1938 to 29th October 1938 with permission to affix Sunday, the 30th October to his leave.

Calcutta, the 17th November 1938.

No. 1651.—Mr. A. Lacamp, Assistant Superintendent, Mathematical Instrument Office, is granted, under the Fundamental Rules, leave out of India on average pay for 7 months and on half average pay for 3 months with effect from the 30th November 1938.

Calcutta, the 18th November 1938.

No. 1652.—Captain R. H. Sams, R. E., Officiating Superintendent, Survey of India, is confirmed as Superintendent with effect from the 21st September 1938 *vice* Lt.-Col. L. H. Jackson, I.A., promoted to be Director.

No. 1653.—With reference to this office notification No. 1643, dated the 28th October 1938, Mr. J. C. St. C. Pollett, V.D., Extra Assistant Superintendent, is granted extension of leave on average pay by 2 months and 10 days, *viz.*, from the 1st November 1938 to 10th January 1939.

Calcutta, the 21st November 1938.

No. 1654.—The following probationers are appointed to the Class II Service of the Survey of India, with effect from the forenoon of 14th November 1938:—

Mr. Jaidev Chatterjee, B.Sc.

Mr. Sathyavijayanagaram Kuppuswami Mudaliar Somasundaram, B.A.

Mr. Jamshed Ardeshir Dalal, B.A.

Mr. Jamna Narain Sinha, M.Sc.

Mr. Pushpendra Kumar Jain, B.Sc.

Mr. Saiyid Qadeer Hasan, M.Sc.

Mr. Gordon Ernest Bower, B.A.

Mr. Ahmad Nawaz Khan Zaki, B.A.

2. The appointment of Mr. Jamna Narain Sinha, M.Sc., is provisional subject to his being declared medically fit.

C. G. LEWIS,

Brigadier,

Surveyor General of India.

ZOOLOGICAL SURVEY OF INDIA.

Indian Museum.

NOTIFICATION.

Calcutta, the 17th November 1938.

No. 5384.—In exercise of the powers delegated by the Government of India to the Director, Zoological Survey of India, Dr. H. Srinivasa Rao, M.A., D.Sc., F.A.Sc., F.N.I., Assistant Superintendent, Zoological Survey of India, is granted leave on average pay for 2 months and 17 days, with effect from the 25th November 1938, with permission to prefix the Id-ul-Fitr holidays on the 23rd and 24th November 1938.

Dr. Rao, on his return from leave, is likely to resume his duty as Assistant Superintendent, Zoological Survey of India, in Calcutta from where he proceeds on leave.

BAINI PRASHAD,

Director,

Zoological Survey of India.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 16th November 1938.

No. 98-An.—Mr. Brij Narayan, an officer in Class II of the superior staff of the Military Accounts Department, is granted an extension of furlough on full average salary for the period from the 13th November 1938 to the 23rd December 1938, with permission to affix thereto the Christmas and the New Year's day holidays from the 24th December 1938 to the 2nd January 1939.

New Delhi, the 17th November 1938.

No. 405-An.—The Hon'ble T. Sinha, Deputy Controller of Military Accounts, Southern Command, has been granted by the High Commissioner for India an extension of furlough on half average salary for eleven days from the 10th January 1939.

New Delhi, the 18th November 1938.

No. 123-An.—Major R. Smallwood, an officer in Class II of the Superior Staff of the Military Accounts Department having returned from leave ex-India on the 27th October 1938, the unexpired portion of his leave from that date is hereby cancelled.

New Delhi, the 19th November 1938.

No. 2-An.—The undermentioned officiating Deputy Assistant Controllers of Military Accounts in the office of the Controller of Military Accounts, Northern Command reverted to their substantive grade with effect from the date shown against each :—

Mr. Shiv Ram Kakar—10th November 1938 (F. N.).

Mr. A. K. Patra—12th November 1938 (A. N.).

M. R. COBURN,

Military Accountant General.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
	Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 26th November 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines

INDIAN SCHOOL OF MINES.

NOTIFICATION.

Dhanbad, the 16th November 1938.

Diploma and Certificate Examination for Session 1937-38.

No. 3336/5-D.—The following have been successful in the examinations for the Diploma of Associateship and for the Certificate of the Indian School of Mines:—

DIPLOMA IN MINING ENGINEERING.

(In order of merit).

First Class.

V. Sreenivasan.
P. S. Temurnikar.
A. S. Abeynaike.
A. G. Carapiet.
R. L. Bansal.
T. C. Anand.

Second Class.

R. A. Babri.
K. C. Jain.
S. N. Ramanathan.
B. S. Sahai.
N. Chakraverty.

DIPLOMA IN GEOLOGY.

(In order of merit).

Second Class.

M. I. Ahmad.
B. S. Bhadauria.

CERTIFICATE.

Coal Mining.

(In order of merit).

G. S. Misra.
W. N. Batra.
S. R. Sabhlok.
R. R. Khanna.
R. G. Deo.
K. N. Sinha.
D. R. Bhardwaj.
B. D. Pathak.
I. Karim.
J. R. Banerjee.

Metal Mining.

(In order of merit.)

H. K. Banerji.
B. B. Lal.

Geology.

(In order of merit).

A. K. Sinha.
K. K. Sengupta.

CHARLES FORRESTER,
Principal,
Indian School of Mines.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE.

NOTIFICATION.

New Delhi, the 22nd November 1938.

No. 8786.—Dr. M. Mitra, Assistant Mycologist is granted further extension of leave on average pay on medical certificate for one month and twelve days combined with leave on half average pay for four months and eighteen days from 17th November 1938.

B. VISWA NATH,
Director.

GOVERNMENT OF THE UNITED PROVINCES.

Local Self-Government Department.

NOTIFICATION.

MISCELLANEOUS.

Lucknow, the 2nd November 1938.

The following agreement is published for general information as required by section 42 of the Land Acquisition (Amendment) Act, 1923:—

AN AGREEMENT made on the third day of March, 1937, between the GOVERNOR of the United Provinces (hereinafter called the Governor) of the one part, and the SHIA RELIGIOUS AND CHARITABLE RELIEF TRUST INSTITUTE a Society registered under the Societies Registration Act, 1860 (hereinafter called the Institute) of the other part.

WHEREAS the Managing Committee of the Institute has made an application to the Provincial Government of the United Provinces (hereinafter called the Provincial Government) to acquire for the purposes of the Institute under the provisions of the Land Acquisition Act, 1894, the plots of the land described in the schedule hereto and delineated on the plan hereto annexed and containing an area of 15·5 poles. AND WHEREAS the Provincial Government is satisfied that the Institute is a Company within the meaning of section 3, clause (e) of the said Land Acquisition Act. AND WHEREAS the Provincial Government after making and holding such inquiry as is required and prescribed by law, is satisfied that the acquisition of the said land is needed for a work namely, holding *majlises* and performing other religious ceremonies and that such work is likely to prove useful to the public. AND WHEREAS under section 41 of the said Land Acquisition Act the Institute is required to enter into an agreement regarding the matters specified in the aforesaid section. NOW it is hereby agreed and declared as follows:

(1) That the Institute will pay to the Provincial Government or such person or persons as the Local Government may appoint in this behalf all such sum or sums of money as shall be awarded under the provisions of the said Land Acquisition Act as compensation to any person or persons who may be found on inquiry held under the provisions of the said Act, to be interested in the said land whether the amount of such compensation exceeds the estimate upon which the application of the Institute is based or not.

(2) That the Institute will also pay to the Provincial Government from its funds all such other charges as may be incidental to the acquisition of the said land under the provisions of the said Act.

(3) That upon the Institute having made all payments incidental to the acquisition of the said land, as mentioned in paragraphs 1 and 2 of this agreement, the Provincial Government will forthwith, in consideration of the payment of the compensation money and costs of the acquisition in accordance with clauses (1) and (2) hereof convey and grant to the Institute the aforesaid plots of land free from all encumbrances and occupancy and other rights to hold the same to the Institute for ever subject to the conditions hereinafter set forth namely:

(*a*) The Institute will not use the said land or any part thereof for any purposes other than the purpose aforesaid or such other purpose connected with the work of the Institute as the Local Government may from time to time approve and permit.

(*b*) The Institute will always maintain the said land and any structure erected by it thereupon in good condition and state of repairs.

(*c*) The said Institute will allow free use of the said land to the public for the purposes aforesaid under the rules and by-laws of the Institute and will not alter the present rules and by-laws in such a manner as to impose any greater restrictions than now exist upon the right of the public to use the said land.

(*d*) If the said land is no longer required by the Institute for the aforesaid purposes then the Institute will forthwith relinquish and restore the same in the manner laid down in the Manual of Orders of the Government of the United Provinces in the Revenue Department.

(*e*) In case of breach by the Institute of any of the covenants hereinbefore contained the Governor to re-enter upon the said land and take possession thereof and also of any buildings or structures standing thereon and thereupon the transfer made in favour of the Society shall become null and void and of no effect and all rights of the Institute in the said land and buildings and structures shall at once cease and determine.

IN WITNESS WHEREOF the parties have set their hands the day and date first mentioned.

(1) *Witness*—BINDESHWARI PRASAD,

Superintendent,
Local Self-Government Department.

(2) *Witness*—JANARDAN JOSHI,

Assistant, Civil Secretariat,
United Provinces.

MOHD. MAHDI HASAN RIZVI,
Honorary Secretary,
Shia Religious and Charitable Relief Trust,
Katra Abuturab Khan,
Lucknow.

(1) *Witness*—NAKI HOSAIN ALLEY,

Shia College, Lucknow..

(2) *Witness*—SYED NAWAB ALI,

Office of the Board of Trustees,
Shia College, Lucknow..

Schedule of the land proposed to be acquired for the Imambara *of Syed Muhammad Taqi Sahib.*

Plot No.	Area.	Boundaries.
A	3·01 poles	*North*—Open land and well. *South*—Open land. *East*—Open land. *West*—*Chabutra* of *Imambara* including plot B.
B	9·12 poles	*North*—Strip of open land. *South*—*Chabutra* of *Imambara.* *East*—Open land and plot A. *West*—Well of the mosque.
C	3·37 poles	*North*—Open land. *South*—Wall of the house of Bashir Beg. *East*—*Imambara.* *West*—Open land.
Total	15·5 poles.	

(1) *Witness*—NAKI HOSAIN ALLEY,

Shia College, Lucknow.

(2) *Witness*—SYED NAWAB ALI,

Office of the Board of Trustees,
Shia College, Lucknow.

MOHD. MAHDI HASAN RIZVI,
Honorary Secretary,
Shia Religious and Charitable Relief Trust,
Katra Abuturab Khan,
Lucknow.

MUSHTAQ ALI KHAN,
Secy. to the Govt. of the United Provinces.
Local Self-Government Deparment.

HIGH COURT OF JUDICATURE AT LAHORE.

NOTIFICATIONS.

Lahore, the 3rd November 1938.

No. 317-Genl. XVII-8.—The following list of general holidays to be observed by the various Civil Courts in the Delhi Province, Subordinate to the High Court of Judicature at Lahore, during the year 1939, has been prepared by the High Court under section 47 (1) of the Punjab Courts' Act, 1918, as amended by Act IV of 1919 and is published for general information:—

Description of holiday.	Name of holiday.	Date on which they fall.	Day or Days of the week.	No. of days.	Remarks.
1. General	Proclamation day	2nd January	Monday	1	
2. Hindu	Basant Panchmi	25th January	Wednesday	1	
3. Muslim	Id-Ul-Zuha	1st February	Wednesday	1*	
4. Hindu	Sheoratri	17th February	Friday	1	
5. Muslim	Muharram	1st, 2nd and 3rd March.	Wednesday, Thursday and Friday.	3*	
6. Hindu	Holi	5th March	Sunday	..	
7. Hindu	Dulhandi	6th March	Monday	1	
8. Christian	Easter	7th, 8th and 10th April.	Friday, Saturday and Monday.	3	
9. Hindu	Baisakhi	13th April	Thursday	1	
10. Muslim	Id-I-Milad	3rd May	Wednesday	1*	
11. General	Empire day	24th May	Wednesday	1	
12. General	King Emperor's birthday.	8th June	Thursday	1	
13. General	Bank holiday	30th June	Friday	1	
14. Hindu	Solono	29th August	Tuesday	1	
15. Hindu	Janam Ashtami	7th September	Thursday	1	
16. Hindu	Anant Chaudas	27th September	Wednesday	1	
17. Muslim	Shab-i-Barat	29th September	Friday	1	
18. Hindu	Dusehra	19th to 22nd October	Thursday, Friday, Saturday and Sunday.	3	
19. Hindu	Chhoti Diwali	9th November	Thursday	1	
20. Hindu	Diwali	10th November	Friday	1	
21. Muslim	Jumat-Ul-Wida	10th November	Friday	1*	
22. Muslim	Id-Ul-Fitar	13th November	Monday	1*	
23. Christian	Christmas	25th, 26th, 27th, 28th, 29th and 30th December.	Monday, Tuesday, Wednesday, Thursday, Friday and Saturday.	6	

*In the case of these holidays, if a festival actually falls on a date other than that notified, an additional holiday will be granted to all Civil Courts on that day subject to necessary arrangements being made for the receipt of appeals and plaints, etc., as well as for deposit of monies to avoid difficulties as to limitation. Timely notice should in each case be given to litigants in the event of the festival falling on the day fixed:

1. Every Sunday in the year is a holiday.

2. Heads of Offices should *not* permit the last Saturday to be observed as a holiday, save in the months of May, June, July, August and September, when it may be observed provided the state of work in the Court admits.

3. The date of the Summer Vacation of the Lower Courts will be notified later.

4. The date of the long vacation of the High Court will be notified later.

5. Local holidays have been omitted from the list.

6. In addition to the holidays specified in the schedule, the birthday of Guru Nanak Dev and Guru Gobind Singh on which all Government offices are ordinarily closed fall respectively on the 26th November and the 31st December, which are Sundays.

No. 318-Genl./XVII-8.—The following list of local holidays to be observed by the various courts in the Delhi Province, Subordinate to the High Court of Judicature at Lahore, during the year 1939, has been prepared by the High Court under section 47 (1) Punjab Courts' Act, 1918, as amended by Act IV of 1919, and is published for general information.

List of Local Holidays for 1939.

Name of holiday.	Month and date.	Day of the week.	No. of days.
Budho Mata	15th March	Wednesday	1
Ram Naumi	29th March	Wednesday	1
Chehlum	11th April	Tuesday	1
Urs Nizam Din	7th June	Wednesday	1
Bharat Milap	23rd October	Monday	1
Gordhan	11th November	Saturday	1
Jamdutiya	13th November	Monday	1

NOTE.—(i) When the date as given in the above list is not correct, the Senior Sub-Judge, will fix it in consultation with the District Judge and Deputy Commissioner and give timely notice of the date so fixed to the Public.

(ii) With the previous sanction of the High Court but not otherwise, any day not specified in the list may be substituted for any day which is specified therein.

(iii) The number of local holidays allowed will not ordinarily exceed 7 days in each year.

(iv) Holidays that have been notified as general holidays have been omitted from the list.

By order of the Judges,

S. L. SALE,

Registrar.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 18th November 1938.

No. 820/37/P.—On transfer from Bombay, Major W. T. Taylor, M.B., B.Ch., I.M.S., assumed charge as Officer-in-Charge, Medical Store Depot, Lahore Cantonment, on the forenoon of the 4th November 1938, relieving Assistant Surgeon E. Duckworth, M.B.E., I.M.D., of the additional charge.

No. 820/37/P.—On reversion to the Medical Stores Department on completion of his tenure of appointment as Assistant Director General, Indian Medical Service (Stores), Lt.-Colonel W. M. Will, M.B., Ch.B., I.M.S., assumed charge as Officer-in-Charge, Medical Store Depot, Bombay, on the afternoon of the 31st October 1938, relieving Major W. T. Taylor, I.M.S., on transfer to Lahore Cantonment

No. 820/37/P.—Major M. K. Kelavkar, M.B.E., D.T.M. & H., M.R.C.P., I.M.S, Officer-in-Charge, Medical Store Depot, Lahore Cantonment on transfer to New Delhi with a view to his appointment as Assistant Director Cantonment, on transfer to New Delhi with a over charge of that Depot to 1st Class Military Assistant Surgeon E. Duckworth, M.B.E., I.M.D., on the afternoon of the 20th October 1938.

Assistant Surgeon Duckworth held charge of the Department in addition to his own duties as manager, till the afternoon of the 3rd November 1938.

E. G. KENNEDY,

Colonel, I.M.S.,

for Director General, I.M.S.

New Delhi, the 22nd November 1938.

No. 125-P.—The services of 2nd Class Assistant Surgeons C. A. Fegredo and J. C. D'Jordon, I.M.D., are placed at the disposal of the General Manager, Eastern Bengal Railway, Calcutta, for employment on the Eastern Bengal Railway with effect from the 12th September 1938.

No. 126-P.—The services of 1st class Assistant Surgeon J. W. Cazalet, I.M.D., are replaced at the disposal of the Director of Medical Services in India with effect from the 8th November, 1938.

E. W. C. BRADFIELD,

Major-General, I.M.S.,

Director General, I.M.S.

.. C

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 17th November 1938.

No. 14267-2E./41/C. T.—Mr. A. R. Mukherjee, M.Sc., Income-tax Officer, Murshidabad-Nadia, is allowed under Fundamental Rule 81 (*b*) (*ii*) leave on average pay for 12 days with effect from the 10th October 1938 to the 21st October 1938 with permission to prefix the Durga and Lakshmi Puja holidays from the 28th September 1938 to the 8th October 1938 and Sunday, the 9th October 1938, and to affix the Kali Puja holiday on the 22nd October 1938, and Sunday, the 23rd October, 1938, to the leave.

A. C. TURNER,

Commissioner of Income Tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 18th November 1938.

No. O. P. E. 418/5.—Mr. M. M. Khan, Assistant Superintendent, Mechanical Engineering and Transportation (Power) Department, has been granted three months' leave on average pay in India with effect from the 9th November 1938.

Calcutta, the 19th November 1938.

No. O. P. E. 418/5-1.—Mr. O. R. Tucker, Superintendent, Mechanical, Engineering and Transportation (Power) Department, was granted 22 days' leave on average pay in India from the 10th October 1938 to 31st October 1938.

No. O. P. E. 418/5-2.—Mr. P. J. Hadley, Assistant Superintendent, Lower Gazetted Service, Transportation (Traffic) and Commercial Department was granted four months' privilege leave combined with two months furlough on full pay in India with effect from the 26th April 1938.

This cancels notification No. O. P. E. 418-P. 5, dated the 10th June 1938, published in the *Gazette of India*, Part II, dated the 18th June 1938

J. A. BELL,

General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATIONS.

Calcutta, the 14th/18th November 1938.

No. 31.—With reference to Railway Board's notification No. 248-C.P.I., dated 29th January 1938, Dewan Bahadur Mathra Das is granted an extension of leave on half average pay for $2\frac{1}{2}$ months with effect from the 25th September 1938.

I. T. ST. C. PRINGLE,

for General Manager.

Calcutta, the 16th November 1938.

No. 32.—Mr. H. N. Sahgal, Executive Engineer is granted leave on average pay for 4 months, with effect from 22nd November 1938 or subsequent date of relief.

E. L. MANLEY,

Chief Engineer.

Calcutta, the 17th November 1938.

No. 33.—Mr. H. G. Scotter, District Loco Superintendent, is granted, with the approval of the Railway Board, leave preparatory to retirement for 1 year 3 months and 16 days, *viz.*, on average pay for 4 months and 16 days and on half average pay for the remaining period with effect from the 28th February 1939 or subsequent date of relief.

R. L. W. MEEHAN,

Chief Mechanical Engineer.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 17th November 1938.

No. 117.—Mr. Ranjit Singh, Officiating Divisional Transportation Officer, is granted leave on average pay for three months and twenty-four days with effect from 10th October, 1938.

No. 118.—Mr. E. A. Blackwood, Assistant Bridge Engineer and Officer on special duty, Central Standards Office for Railways, New Delhi, is granted leave (out of India) for $10\frac{1}{2}$ months, *viz.*, leave on average pay for 8 months and on half average pay for the remaining period with effect from 18th November, 1938, or subsequent date of relief.

Lahore, the 18th November 1938.

No. 119.—The unexpired portion of leave on average pay from 21st October 1938 to 8th November 1938, *viz.*, 19 days granted to Mr. H. J. Morden, Assistant Works Manager, *vide* this office Notification No. 17, dated 8th February 1938, is hereby cancelled.

C. F. CARSON,

Colonel,

General Manager.

REGISTERED No. L. 3131.

CORRIGENDUM.

On page 1112, *Gazette of India*, Part II, dated the 15th October 1938, in the Central Public Works Department Notification No. 02229-E., dated New Delhi, the 6th October 1938, in the fifth and sixth lines, *for* the words "in the scale of Rs. 250—275—350—25—400—50/2—500" *read* "in the scale of Rs. 250—275—350—25—400—450/2—500".

The Gazette of India

NEW DELHI, SATURDAY, DECEMBER 3, 1938.

☞ Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 22nd October 1938.

On and after the 22nd October 1938, and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Part III	12	0	0	2	8	0
Part IV	3	4	0	0	8	0
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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 3rd December 1938.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

November 21, 1938.

25912. May and Baker, Limited. The preparation of new therapeutically useful hetero-cyclic compounds. (November 29, 1937).

25913. Telephone Manufacturing Company Limited and L. H. Paddle. Improvements in or relating to modulating and demodulating arrangements for use in carrier wave signalling systems. (December 24, 1937).

25914. Metropolitan-Vickers Electrical Company Limited. Improvements in or relating to electric transformers.

25915. The General Electric Company Limited. Improvements in electrode construction for electric discharge lamps. (November 22, 1937).

25916. I. G. Farbenindustrie Aktiengesellschaft. The manufacture of new coupling components and azo-dyestuffs therefrom.

25917. L. Fuller and E. W. Sudlow. Improvements in or relating to electric secondary batteries.

25918. Marvin J. Udy. Improvements in making alloys containing iron, chromium, silicon and carbon.

November 22.

25919. Mohamad Yosuf Shah, Tonki. Dole without tundum.

25920. C. N. Patel. An improved dry ice container.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

25195. L. S. Davar & Co. Silvering solution for glass articles. *Bismuth nitrate solution employed in combination with silvery solution made of glucose, silver nitrate and ammonia.*

25234. Z. Dezsoe and John Ismay & Sons Ld. Improvements in and relating to the production of spiral filaments. *Finally heating the coil to a temperature of 900°C. to 2200°C. without previous heating of the same beyond 900°C.*

25247. C. W. Young and A. R. Wilson. Method and apparatus for pulverizing minerals and other materials. *Granular material projected under pressure at high velocity on to a flat abrading surface moving at high speed.*

25555. H. C. Bardsley. Improvements in and relating to the waistband construction of trousers and the like. (August 27, 1937). *Rear section and two front sections of waist-band are connected by flexible members, outer walls of side pockets being secured to front sections and inner walls partly to front and partly to rear sections.*

Patents Sealed.

23842. Honnef.

24051. The Indian Hume Pipe Co., Ld.

24157. Pescara.

24167. Digby and Digby.

24170. Curtis.

24235. Avery.

24428. Dr. Aalst.

24563. Olympia Oil and Cake Company Limited and Weston.

24566. Houdry Process Corporation.

24718. Rajagopalan.

24721. F. S. Kerr & Co. and Balvalli.

24741. Dunlop Rubber Co. (India) Limited.

24787. Metal Carbides Corporation.

24794. Societe De Realisation Des Brevets Et Precedes Xyliod.

24857. Kingsbury Engineering Co., Ltd.

24884. Higgins.

25011. Dunlop Rubber Co. (India) Ltd.

25083. Peters and Peters.

Amendment Proceedings.

21918. In pursuance of leave granted on the 19th November 1938, the request for amendment relating to the above numbered specification and drawings, advertised in Part II, *Gazette of India*, dated the 13th August 1938, has been allowed.

Extension of the term of patent.

In continuation of the notification appearing in Part II of the *Gazette of India*, dated the 4th December 1937, notice is hereby given that the petition for extension of the term of patent No. 8218 filed on behalf of the Public Trustee of London, the Executor of the estate of R. F. Myddelton, the deceased patentee, has been disallowed by the Central Government.

Registration of Assignments, Licences, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

17005. J. H. Fenner & Co., Ltd.
17006. J. H. Fenner & Co., Ltd.

Renewal Fees Paid.

13964. Toyoda. (To 16th January 1940).
15351. Brooke Bond India Ltd. and anr. (To 7th February 1940).
16617. Sparklets Ltd. (To 13th January 1940).
17765. Freeman. (To 9th February 1940).
18731. Arnott. (To 10th February 1940).
18748. Arnott. (To 20th February 1940).
18790. Deutsche Gold-und Silber Scheideanstalt Vormals Roessler. (To 7th March 1940).
18791. Deutsche Gold-und Silber Scheideanstalt Vormals Roessler. (To 7th March 1940).
19591. The Distillers Co., Ltd. & Ors. (To 29th January 1940).
20448. Butty. (To 12th December 1939).
20454. Freund. (To 12th December 1939).
21398. Barnes. (To 28th November 1939).
21436. N. V. Midden Europeesche Octrooi-Maatschappij. (To 7th December 1939).
21439. Rao. (To 10th December 1940).
21716. Emlyn Anthracite Colliery Ld. (To 11th March 1940).
22030. Aktiebolaget Forenade Piano-& Orgelfabriken. (To 24th January 1940).

Cessation of Patents.

9613. Platen Munters Refrigerating System Aktiebolag.
13545. Black.
14701. The Carlton Pipe Joint Co., Ld.
14712. The Self-Sealing Rubber Co., Ld. and anr.
15962. The Barrett Co.
16145. Oil Finding Corporation.
19141. Johnston.
20128. The Paterson Engineering Co., Ltd.
21106. Marston.
21108. Jonkopings Mekaniska Werkstads Aktiebolag.
21111. D. F. Brown & Ors.
21112. Lalkaka.
21113. Banerji & anr.
21114. Banerji & anr.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 1 No. 63872. Guduvancheri Thandavaraya Manicka Nayagar, of 22 Baker Street, Madras, British India. October 12, 1938.

Class 4 No. 63961. The Victoria Glass Works, of Ghusery-Howrah, British India. November 7, 1938.

Class 13 Nos. 63952 and 63953. B. C. L. Limited, of Wallace Road, Karachi, Sind, British India. November 3, 1938.

Class 13 Nos. 63963 to 63966. The Calico Printers' Association Limited, of St. James's Buildings, Oxford Street, Manchester, England. November 8, 1938.

Class 13 Nos. 63967 to 63969. The Ahmedabad Manufacturing and Calico Printing Co., Ltd. of Ahmedabad, Bombay Presidency, British India. November 10, 1938.

Class 13 Nos. 63970 to 63973. The Svadeshi Mills Co., Ltd., of "Bombay House", Bruce Street, Fort, Bombay, India. November 11, 1938.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library.
MADRAS	Record Office, Egmore.
Do.	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa.
POONA	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.)	The Patent Office

B.—Where publications other than printed specifications are available :—

LONDON	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,
Controller of Patents and Designs.

CURRENCY NOTES.

NOTICE.

Calcutta, the 22nd November 1938.

Portions of the following notes of the Calcutta Office of Issue are stated to have been destroyed and applications for payment of their value have been received from the persons whose names are shown against the numbers. Any other person/party who consider(s) himself/themselves as having a right to them is/are warned to communicate at once with the undersigned.

Register No.	Note No.	Value.	Names and addresses of the applicants.
		Rs.	
W.D./23 of 1938.	V/4-306053	50	Chimanlal Parshottamdas Shah, c/o M/s. T. Jaywant Vasant Rao Chhapwala & Co., 99, Javeri Bazar, Bombay 2.
W.D./24 of 1938.	T/34-132323 T/22-335845 T/22-871912 T/33-727127	100 100 100 100	Ramanuj Dayal Agarwala, Old Malda, P. O. Nimasarai, Dt. Malda.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

P. K. BASU,
Currency Officer.

OFFICE OF THE ACCOUNTANT-GENERAL, POSTS AND TELEGRAPHS.

New Delhi, the 25th November 1938.

Statement showing the amounts realised and paid in each of the Postal Circles on account of Post Office 5-Year Cash Certificates, during September 1938, and the amounts outstanding at the end of the month.

[In thousands of rupees.]

Name of Postal Circle.	Cash realised from sales.	Amount repaid. Principal.	Amount of principal outstanding.
	Rs.	Rs.	Rs.
Bengal & Assam	21,91	23,33	10,99,30
Bihar & Orissa	4,71	4,13	2,29,22
Bombay	36,58	39,09	16,04,87
Central	9,18	10,36	4,18,21
Sind & Baluchistan	5,34	5,87	2,58,42
Punjab & N. W. F.	18,95	20,02	11,10,72
United Provinces	19,77	18,40	8,37,04
Madras	12,83	9,34	3,08,21
Burma	—3	3,58	95,71
Total, Sept. 1938	1,29,24	1,34,12	59,61,70
Total, Sept. 1937	1,25,96	1,68,78	61,85,73
Total, Sept. 1936	1,28,95	1,42,11	65,77,83

M. SUBRAHMANYAM,
Accountant-General, Posts and Telegraphs.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Calcutta, the 28th November 1938.

No. Sy.—Notice is hereby given that the Share Registers of the Bank will be closed and the registration of transfers suspended from the 15th December 1938 to the 7th January 1939 (both days inclusive).

J. B. TAYLOR,
Governor.

IMPERIAL BANK OF INDIA.

NOTICE.

Calcutta, the 22nd November 1938.

Notice is hereby given that the Principal Register and the Branch Registers of the Imperial Bank of India will be closed for transfer of shares from Tuesday, the 3rd January 1939, to Tuesday, the 17th January 1939, both days inclusive.

B. A. C. NEVILLE,
Deputy Managing Director.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona 5, the 22nd November 1938.

No. G.-30711/P.-101.—Dr. B. N. Desai, B.A. (Hons.), M.Sc., LL.B. (Bombay), Ph.D., D.Sc. (Edin.), F.R.S.E., Assistant Meteorologist, Agra, has been granted leave on average pay for one month and twenty-three days with effect from the 1st November 1938, with permission to affix the Christmas and New Year holidays from 24th December 1938 to 1st January 1939.

Poona, 5, the 26th November 1938.

No. G.-30440/P.-244.—Mr. B. K. Roy, M.Sc. (Cal.), Assistant Meteorologist, Calcutta, has been granted leave on average pay for three months and fifteen days with effect from the 1st November 1938.

No. G.-30441/P.-244.—Mr. U. N. Ghosh, M.Sc. (Cal.), Professional Assistant, Dum Dum, has been appointed to officiate as Assistant Meteorologist *vice* Mr. B. K. Roy granted leave.

C. W. B. NORMAND,
Director General of Observatories.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M. / Sundays and other Gazetted holidays from 2 P.M. to 5 P.M. }

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 3rd December 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines

INTELLIGENCE BUREAU, HOME DEPARTMENT.

GOVERNMENT OF INDIA.

NOTIFICATION.

New Delhi, the 30th November 1938.

No. 25/Ests/36.—Khan Sahib Syed Muhammad Hussain Shah Naqvi, Deputy Central Intelligence Officer, Karachi, was granted leave on average pay for 24 days with effect from the 28th October 1938. He returned to duty on the 21st November 1938, forenoon.

E. V. DRAKE,
for Director,
Intelligence Bureau, Home Department,

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 28th November 1938.

No. 2-An.—Mr. Dhanpat Rai, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Northern Command has been granted an extension of combined leave pending retirement as shown below in continuation of the leave granted to him in this Department Notification No. 2-An(a), dated the 17th October 1938.

Privilege leave—From the 6th November 1938 to the 8th November 1938.

Furlough on half average salary—From the 9th November 1938 to the 31st January 1939.

No. 98/An.—Rao Sahib R. Narayanswami Aiyar, Deputy Controller of Military Accounts, Southern Command, is granted privilege leave from the 25th November 1938 to the 23rd December 1938 with permission to prefix Thursday, the 24th November 1938, a gazetted holiday, and to affix thereto the Christmas and New Year holidays.

M. R. COBURN,
Military Accountant General.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATIONS.

New Delhi, the 23rd November 1938.

No. 127-P.—The services of 4th Class Assistant Surgeon A. Saldanha, I.M.D., are replaced at the disposal of the Director of Medical Services in India with effect from the 11th September 1938.

New Delhi, the 26th November 1938.

No. 128-P.—No. 2387 Jemadar Pritam Singh, I.M.D., employed on the Malaria Institute of India, Kasauli, and serving under the Indian Research Fund Association, is granted privilege leave for two months with effect from the 1st November 1938.

E. W. C. BRADFIELD,
Major-General, I.M.S.,
Director-General, I.M.S.

CENTRAL BOILERS BOARD.

NOTIFICATION.

New Delhi, the 1st December 1938.

No. A.-907.—In exercise of the powers conferred by section 28 of the Indian Boilers Act, 1923 (V of 1923), the Central Boilers Board directs that the following further amendment shall be made in the Indian Boiler Regulations, 1924, the same having been previously published as required by sub-section (1) of section 31 of the said Act, namely:—

In clause (c) of regulation 17 of the said Regulations, after the figures and word "28 tons", the words and figures "or 26 tons and 30 tons" shall be inserted.

C. M. KER,

Secretary,

Central Boilers Board.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 28th November 1938.

No. S.-78/27.—The following officers are confirmed in the grade of Superintendents of Post Offices and Railway Mail Service with effect from the date noted against each:—

1. Mr. Rama Krishna, Probationery Superintendent of Post Offices. 29th October 1938.

2. Syed Maqsood Ali, Inspector, Railway Mail Service. 29th October 1938.

No. S.-107/20.—Mr. Shanti Swarup, probationer in the Superior Telegraph Engineering Branch is granted earned leave for six days with effect from the 28th August 1938.

New Delhi, the 1st December 1938.

No. S.-80/4/37.—Mr. S. O'Callaghan, Postmaster, Grade A, is permitted to retire from service with effect from the 1st November, 1938.

No. S.-100/15.—Mr. K. J. Thouless, officiating Director of Telegraphs, Bengal and Assam Circle, is granted leave on average pay out of India for eight months combined with leave on half average pay for two months with effect from the 17th December 1938 or the date of his relief.

G. V. BEWOOR,

Director General of Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 21st November 1938.

No. 14837/2-E./35.—Mr. A. Majid, B.A., Officiating Income-tax Officer, Mymensingh is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 29 days with effect from the 17th September 1938 to the 15th October 1938 with permission to affix Sunday, the 16th October 1938 to the leave.

A. C. TURNER,

Commissioner of Income-Tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 21st November 1938.

No. A. E.-1530.—Mr. E. E. L. Grundy, Principal, Technical School, Jamalpur, has been granted privilege leave for 98 days combined with furlough on full pay for 3 months and 1 day plus furlough on half pay for 3 months and 28 days to Europe with effect from the 1st December 1938 or subsequent date of relief with permission to suffix the Durga Puja holidays from the 8th October 1939 to the 21st October 1939.

Calcutta, the 26th November 1938.

No. E.-77/25.—Mr. G. W. Browne, officiating Deputy Chief Mechanical Engineer, Mechanical Engineering and Transportation (Power) Department has been granted leave on average pay for six months combined with 3 months and 10 days leave on half average pay out of India, with effect from the 21st December 1938 or subsequent date of relief.

J. A. BELL,

General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 22nd November 1938.

No. 34.—Mr. Ramadhar Singh, officiating Executive Engineer is granted leave on average pay for 4 months with effect from the 31st October 1938.

E. L. MANLEY,

Chief Engineer.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 19th November 1938.

No. 120.—The unexpired portion of leave on half average pay from 20th October 1938, to 8th November 1938, *viz.*, 20 days, granted to Mr. N. C. Watney, officiating Divisional Mechanical Engineer, *vide* this office Notification No. 120, dated 1st November 1937, is hereby cancelled.

No. 121.—Messrs. K. C. Chopra and I. C. Bahree, Assistant Mechanical Engineers, on probation passed the Lower Standard Examination in Urdu, held at Jullundur Cantonment on 4th October 1938.

C. F. CARSON,

Colonel,

General Manager.

GOVERNMENT PUBLICATIONS

ARE OBTAINABLE FROM

THE MANAGER OF PUBLICATIONS, CIVIL LINES, DELHI, THE BOOK DEPOT, No. 8, HASTINGS ST., CALCUTTA,

AND AT THE FOLLOWING PROVINCIAL GOVERNMENT BOOK DEPOTS:

MADRAS :—Superintendent, Government Press, Mount Road, Madras.

BOMBAY :—Superintendent, Government Printing and Stationery, Queen's Road, Bombay.

SIND :—Manager, Sind Government Book Depot and Record Office, Karachi (Sadar).

UNITED PROVINCES :—Superintendent, Printing and Stationery, U. P., Allahabad.

PUNJAB :—Superintendent, Government Printing, Punjab, Lahore.

CENTRAL PROVINCES :—Superintendent, Government Printing, Central Provinces, Nagpur.

ASSAM :—Superintendent, Assam Secretariat Press, Shillong.

BIHAR :—Superintendent, Government Printing, P. O. Gulzarbagh, Patna.

NORTH-WEST FRONTIER PROVINCE :—Manager, Government Printing and Stationery, Peshawar.

ORISSA :—Press Officer, Secretariat, Cuttack.

AND OF ALL AGENTS FOR THE SALE OF GOVERNMENT OF INDIA PUBLICATIONS.

EUROPE.

OFFICE OF THE HIGH COMMISSIONER FOR INDIA,
INDIA HOUSE, ALDWYCH, LONDON, W. C. 2.

LIST OF NEW BOOKS PUBLISHED DURING NOVEMBER 1938.

NOTE.—(1) Where a symbol is given, preceding the name of the publication, it is requested that the symbol only be given when indenting and *not* the name of the Publication.

(2) Prices are inclusive of packing and Indian postage.

ACTS AND LAW BOOKS.

Acts.

1938.

XXI.—INDIAN EMIGRATION (AMENDMENT) ACT. *Anna 1 or 1½d.*

XXII.—INDIAN AIRCRAFT (AMENDMENT) ACT. *Anna 1 or 1½d.*

XXIII.—INDIAN TEA CESS (AMENDMENT) ACT. *Anna 1 or 1½d.*

XXIV.—EMPLOYERS' LIABILITY ACT. *Anna 1 or 1½d.*

Statutes, Rules and Orders.

WORKMEN'S COMPENSATION RULES, 1924—

IL.46. The Workmen's Compensation (Transfer of Money) Rules, 1935, the Workmen's Compensation (Transfer of Money, Burma) Rules, 1938, List of Authorised Officers and the Returns prescribed under the Workmen's Compensation Act, 1923 (VIII of 1923). As amended upto 1st July 1938. *As. 3 or 4d.*

AGRICULTURE AND FORESTRY.

AGRICULTURE AND LIVESTOCK IN INDIA—

ICAR.14.VII. Vol. VII, 1937, Index. *As. 4 or 5d.*

INDIAN JOURNAL OF AGRICULTURAL SICENCE—

ICAR.17.VII. Vol. VII, 1937, Index. *As. 6 or 7d.*

ICAR.5.VIII.5. Vol. VIII, Part V, October 1938. *Rs. 3 or 5s. 3d.*

Contents :—

The Description of Crop-Plant Characters and their Ranges of Variation. (Hutchinson, Ramiah and the Members of two Special Sub-Committees).

I. The Variability of Indian Cottons (with Plates XXVI-XXXVII).

II. Variability in Rice (with Plates XXXVIII-LIII).

Habit of the Cotton Plant and its Influence on Optimum Date of Application of Nitrogenous Fertilizer (with three text-figures). (Crowther).

A Note on Border Effects in Manurial Experiments on Cotton at Sakrand during 1935-36 (with one text-figure). (Dabral and Chiney).

Soils of the Deccan Canals, I. Genetic Soil Survey and Soil Classification : Nira Right Bank and Pravara Canals (with Plates LIV-LVI and eight text-figures). (Basur and Sirur).

A Study of Factors Influencing the Extraction of Juice from Sugarcane. (Ramji Narain and Azmat Singh).

A Hypodermic Syringe for Use with Hand Refractometer in Sugarcane (with Plate LVII and one text-figure). (Khanna).

Studies on the Root-Rot Disease of Cotton in the Punjab V. Confirmation of the Identity of *Rhizoctonia Bataticola* (with three text-figures). (Luthra and Vasudeva).

Biology and General Morphology of *Leucopis griseola* Fall (Chamaemyidae, Diptera), an Important Predator of *Aphis gossypii*, and some other Aphid Pests of Crops (with Plate LVIII). (Pruthi and Bhatia).

ARTS AND SCIENCES.

Archaeology.

EPIGRAPHIA INDICA—

GEI.1.XXII.8. Vol. XXII, Part VIII, October 1934. (Chakravarti). *Rs. 2-4 or 3s. 9d.*

Contents :—

No. 37. Chirava Inscription of the time of Samarasimha of Mewar ; Vikrama-Samvat 1330. (Haldar).

GEI.1.XXIII.7. Vol. XXIII, Part VII, July 1936. (Chakravarti). *Rs. 2-8 or 4s. 6d.*

Contents :—

No. 39. Allahabad Museum Inscriptions of the year 87. (Konow).

No. 40. Sonepur Plates of Maha-Bhavagupta (II) Janamejaya ; the year 17. (Chhabra).

No. 41. Karitalai Stone Inscription of Lakshmanaraja : (Kalachuri) Samvat 593. (Mirashi).

No. 42. Four Ganga Copper-Plate Grants. (Chakravarti).

No. 43. Six Silahara Inscriptions in the Prince of Wales Museum. (Sankalia and Upadhyaya).

No. 44. A Stone Inscription of Yadava Ramachandra : Saka 1222. (Sankalia and Upadhyaya).

No. 45. Four Pandya Records from Ukkirankottai. (Ayyar)

No. 46. Utmanzai Lamp Inscription in Kharoshthi. (Chhabra).

No. 47. Nalanda Plate of Dharmapaladeva. (Bhattacharyya).

Meteorology.

INDIA WEATHER REVIEW—

DGO.9.37 B. Annual Summary for 1937 Part B—Snowfall. *As. 6 or 7d.*

ARTS AND SCIENCES—*contd.*

Meteorology—*contd.*

KODAIKANAL OBSERVATORY BULLETINS—

DGO.11.114. CXIV.—Summary of Prominence Observations for the first half of the year 1937. *As. 8 or 9d.*

Zoology.

RECORDS OF THE INDIAN MUSEUM—

ZSI.4.XL.3. Vol. XL, Part III, September 1938. *Rs. 3-12 or 6s. 6d.*

Contents :—

Etude comparative du *Mesocyclops vermifer* Lindberg, et du *Mesocyclops hyalinus* (Rehberg). (Lindberg).

Notes on Fishes in the Indian Museum. XXXVII. On a Collection of Fish from the Bailadila range, Bastar State, Central Provinces. (Hora).

A new name for *Silurus sinensis* Hora. (Hora).

Studies on the Development of the Indian Garfish, *Tylosurus strongylurus* (van Hass.) with notes on the young stages of *Hemirhamphus gaimardi* Cuv. & Val. (Job and Jones).

On a Collection of Fish from the Eastern Ghats. (Misra).

The Indian species of the genus *Xylocopa* Latr. (Hymenoptera). (Tsing-chao Ma).

ZOOLOGICAL SURVEY OF INDIA—

ZSI.6.38. Report for 1935-38. *Re. 1-14 or 2s. 9d.*

CIVICS AND ADMINISTRATION.

Administration and Departmental Reports.

CHIEF INSPECTOR OF MINES IN INDIA—

CIM.2.37. Annual Report of the —— under the Indian Mines Act, 1923, for the year ending 31st December 1937. *Rs. 2-2 or 3s. 6d.*

CIVIL AVIATION IN INDIA AND BURMA—

REPORT ON THE PROGRESS OF—

CA.1.38. 1937-38. *Re. 1 or 1s. 6d.*

FOREST ADMINISTRATION IN BRITISH INDIA—

FRI.54.37. Annual Return of Statistics, 1936-37. *Re. 1-12 or 2s. 6d.*

IMPERIAL COUNCIL OF AGRICULTURAL RESEARCH—

ICAR.12.38. Annual Report, 1937-38. *As. 12 or 1s.*

INDIA STORE DEPARTMENT, LONDON—

IL.13.38. Report on the work of the ——, 1937-38. *Rs. 2 or 3s.*

NORTH-WEST FRONTIER PROVINCE PUBLIC WORKS DEPARTMENT (AGENCIES) BUILDINGS AND ROADS BRANCH—

EA.4.37. Administration Report for the year 1936-37. *Rs. 2 or 3s.*

Civil Lists.

PUBLIC WORKS BRANCH—

CLASSIFIED LIST OF ESTABLISHMENT—

PWD.6.I.38. Corrected upto 30th June 1938. *Rs. 3 or 5s.*

Committees and Commissions.

DELHI ELECTRIC SUPPLY ENQUIRY COMMITTEE—

EHL.33.IA. Report, 1936. (Reprinted without Maps, 1938.). *Rs. 2-10 or 4s. 3d.*

General.

IMPERIAL SERVICE MEDAL—

LIST OF RECIPIENTS IN INDIA—

PSV.3.38. Corrected upto the 9th June 1938. *As. 12 or 1s.*

Politics.

DEBATES—

COUNCIL OF STATE—

CS.2.I.38. Vol. I, 1938. (14th February to 8th April 1938). (Bound Volume). *Rs. 9-6 or 14s. 9d.*

LEGISLATIVE ASSEMBLY—

Bound Volumes—

LAD.3.I.38. Vol. I, 1938. (31st January to 22nd February 1938. *Rs. 8-8 or 13s. 6d.*

CIVICS AND ADMINISTRATION—*contd.*

Politics—*contd.*

DEBATES—*contd.*

LEGISLATIVE ASSEMBLY—*contd.*

Bound Volumes—*contd.*

LAD.3.II.38. Vol. II, 1938. (23rd February to 23rd March 1938). *Rs. 8-14 or 14s.*

LAD.3.III.38. Vol. III, 1938. (24th March to 12th April 1938). *Rs. 10-12 or 17s.*

ENGINEERING.

General.

LOCOMOTIVE REPAIR AS CARRIED OUT IN THE KHARGPUR WORKSHOPS OF THE BENGAL NAGPUR RAILWAY—

PRB.1.304 (N). Description of the method of ——.

(Railway Board Technical Paper No. 304). *As. 12 or 1s. 3d.*

RAILWAY TRACKS—

PRB.1.305 (N). Primary Stresses in ——. (Railway Board Technical Paper No. 305). *As. 8 or 9d.*

STATE RAILWAY GENERAL CODE—

PRB.38 (N). Provisional Issue, 1938. *Re. 1-12 or 2s. 6d.*

FINANCE.

General.

CENTRAL AND PROVINCIAL RECEIPTS AND DISBURSEMENTS—

AG.21. **LIST OF MAJOR AND MINOR HEADS OF ACCOUNT OF** ——, 1938. *As. 10 or 1s.*

EXCISE ADMINISTRATION IN INDIA. MEMORANDUM, COCAINE—

CBR.15.36. 1935-36. (17th Edition). *Rs. 2-2 or 3s. 6d.*

MEDICAL AND SANITARY.

General.

HEALTH BULLETIN SERIES—

HC.1.12. No. 12.—Table for the Identification of Indian Freshwater Fishes, with descriptions of certain families and observations on the relative utility of the probable Larvivorous Fishes of India. Second Revised Edition, 1938. *As. 7 or 8d.*

INDIAN MEDICAL REVIEW—

IMS.1.I.38. 1938. *Rs. 2-8 or 4s.*

MILITARY.

***AUDIT DECISIONS COMPENDIUM.** By the Military Accountant General—

MMA-C 29/29 (N). 1st April 1932 to 31st March 1937. (See footnote).

BARRACK SYNOPSIS—

ME-B 5 (N). Home, 1938, Parts I and II. (*not for sale*).

EQUIPMENT REGULATIONS—

ARMY (HOME)—

MO-R 109 (N). **FORTRESS COMPANIES (A. A.) ROYAL ENGINEERS (ABROAD)**, 1938, Part 2, Sec. 10-K. (*not for sale*).

TERRITORIAL ARMY (WAR OFFICE)—

ARTILLERY DETAILS—

MO-R 110 (N). **ROYAL HORSE ARTILLERY** with Q. F. 13-Pr. Equipment 1. Brigade Headquarters, 2. Batteries, 1938, Part 3, Sec. 11-A. (*not for sale*).

MO-R 111 (N). **SURVEY COMPANY, ROYAL ARTILLERY**, 1938, Part 3, Sec. 11-D. (*not for sale*).

EXAMINATION. ARMY SPECIAL AND FIRST CLASS CERTIFICATES (WAR OFFICE)—

MEMORANDUM ON RESULTS, REMARKS BY EXAMINERS AND QUESTION PAPERS—

MGS-M 118 (N). March 1938. (*not for sale*).

* To be supplied to the Members of the Military Accounts Department and Military Test Audit Department.

MILITARY—*contd.*

EXAMINATION IN ORIENTAL LANGUAGES—

QUESTION PAPERS—

BENGALI. TEACHERSHIP—

MSE-T 61 (N). March 1938. *As. 2 per set.*

HINDI. TEACHERSHIP—

MSE-T 62 (N). April 1938. *As. 2 per set.*

MSE-T 64 (N). October 1938. *As. 2 per set.*

MARATHI. OBLIGATORY TEST—

MSE-O 44 (N). October 1938. *As. 2 per set.*

NEPALI. HIGHER STANDARD—

MSE-H 91 (N). April 1938. *As. 2 per set.*

NEPALI. OBLIGATORY TEST—

MSE-O 45 (N). October 1938. *As. 2 per set.*

PASHTO. HIGHER STANDARD—

MSE-H 94 (N). October 1938. *As. 2 per set.*

PASHTO. LOWER STANDARD—

MSE-L 118 (N). October 1938. *As. 2 per set.*

PASHTO. OBLIGATORY TEST—

MSE-O 46 (N). October 1938. *As. 2 per set.*

PUNJABI. HIGHER STANDARD—

MSE-H 95 (N). October 1938. *As. 2 per set.*

PUNJABI. OBLIGATORY TEST—

MSE-O 47 (N). October 1938. *As. 2 per set.*

URDU. BRITISH SERVICE (FOR OTHER RANKS)—

MSE-B 28 (N). October 1938. *As. 2 per set.*

URDU. HIGHER STANDARD—

MSE-H 96 (N). October 1938. *As. 2 per set.*

URDU. INTERPRETERSHIP—

MSE-I 108 (N). October 1938. *As. 4 per set.*

URDU. LOWER STANDARD—

MSE-L 119 (N). October 1938. *As. 2 per set.*

MSE-L 120 (N). October 1938. (For Civil Candidates). *As. 2 per set.*

URDU. TEACHERSHIP—

MSE-T 65 (N). October 1938. *As. 2 per set.*

MSE-T 66 (N). October 1938 (Lahore). *As. 2 per set.*

GUN DRILL—

MGS-G 18 (N). **B. L. 6-INCH MARKS VII AND VII^{V} GUNS ON CARRIAGES GARRISON C. P., MARKS II, II^{A} AND IV* (LAND SERVICE)** (War Office), 1934. *As. 4 or 4d.*

IDENTIFICATION LISTS—

GUNS—

MO-J 38 (N). B. L. 6-in. Marks VII and VII^{V} Guns on Mark V Mounting also Q. F. 3-Pr. Sub-Calibre Gun and Mark I 1-in. Elswick B Aiming Rifle (War Office), 1937. *(not for sale).*

MGS-N 24 (N). **INFANTRY IN INDIA. NOTES ON THE REORGANIZATION IN THE** —— 1938. *(not for sale).*

INSTRUCTION BOOKS AND PAMPHLETS—

SPECIAL TECHNICAL INSTRUCTION—(ENGINEER-IN-CHIEF'S)—

TECHNICAL EXAMINATION—

ME-S 8 (N). No. 6 of 1938. *(not for sale).*

LIST OF CHANGES IN WAR MATERIAL AND OF PATTERNS OF MILITARY STORES FOR H. M.'S ARMY SERVING IN INDIA—

MO-LC 11/38 (N). November 1938. *(not for sale).*

MGS-T 38 (N). **TELEGRAPH,** 1938. *(not for sale).*

MEDICAL SERVICES. LIST OF OFFICERS—

MDGM-LO 9/38 (N). September 1938. *As. 8.*

MOBILIZATION EQUIPMENT SCALE. MEDICAL—

MCR-M 12 (N). **X-RAY UNIT. A MOBILE X-RAY UNIT,** 1938. **I. A. F.** (Medl.), 29-6-A. *(not for sale).*

MILITARY—*contd.*

ORDNANCE INSPECTION SECTION. STANDING ORDERS FOR THE—

MO-S 2 (N). Part II (Provisional), 1938. *(not for sale).*

REPORTS—

EXAMINATION FOR CERTIFICATES "A" AND "B" (WAR OFFICE)—

MGS-R 135 (N). March 1938. *(not for sale).*

RULES—

ME-R 7 (N). **CONTRIBUTORY PROVIDENT FUND (MILITARY ENGINEER SERVICES), INDIA,** 1938. *(not for sale).*

TRAINING MANUALS—

SIGNAL TRAINING, VOLUME III—PAMPHLETS—

MGS-S 176 (N). No. 15, 1938 (War Office). Wireless Set, No. 1. *(not for sale).*

SMALL ARMS TRAINING, VOLUME I, PAMPHLETS—

MGS-S 163 (N). No. 3, 1937 (Roman-Urdu). Rifle. *As. 2 or 3d.*

VOCABULARY OF ORDNANCE STORES—

SECTION J (i)—CAMP EQUIPMENT (OTHER THAN TENTAGE)—

MCR-V 156 (N). India, 1938. *(not for sale).*

SECTION J (ii)—CAMP EQUIPMENT (TENTAGE)—

MCR-V 157 (N). India, 1938. *(not for sale).*

SECTION Q-2.—S. A. A. AND MACHINE GUN AMMUNITION SHELL FUZES, TUBES, PRIMERS, FIREWORKS (NON-EXPLOSIVES) AND EMPTY PACKAGES—

MO-V 16 (N). India, 1938. *(not for sale).*

MMA-N 1 (N). **WAR ACCOUNTING AND AUDIT. NOTES ON —,** 1938. *(not for sale).*

WAR EQUIPMENT TABLES (INDIA) (NEW SERIES—) LOCAL PURCHASE—

MCR-W 1/215 (N). Control Office, R. I. A. S. C., 1938, I. A. F. F. 980-154 (A). *(not for sale).*

MCR-W 1/216 (N). **ROAD CONSTRUCTION BATTALION,** 1938, **I. A. F. F.** 980-236-A. *(not for sale).*

TRADE AND COMMERCE.

General.

CROP FORECASTS, 1938-39—

COTTON—

DGCIS.29.2.2.39. Second Forecast. *As. 3 or 4d.*

GROUNDNUT—

DGCIS.29.3.2.39. Second Forecast. *As. 2 or 3d.*

RICE—

DGCIS.29.4.1.39. First Forecast. *As. 3 or 4d.*

SUGARCANE—

DGCIS.29.6.2.39. Second Forecast. *As. 2 or 3d.*

DIRECTORY OF EXPORTERS OF INDIAN PRODUCE AND MANUFACTURES (INCLUDING THOSE OF BURMA)—

DGCIS.30.9. Ninth Edition, 1938. *As. 9 or 10d.*

Industrial.

INDIAN MUSTARD AND RAPE SEEDS AND THEIR OILS—

IRB.2.13. A Study of —. (Bulletin of the Indian Industrial Research No. 13). *As. 14 or 1s. 3d.*

STANDARD SPECIFICATION—

INDIAN RAILWAY— *As. 8 or 10d.*

R 2-38 Volute and Helical Springs (Silico-Manganese Steel).

Marine.

INDIAN SEA CUSTOMS MANUAL—

CBR.30.3A. Appendix A. Third Edition, 1938. *As. 14 or 1s. 3d.*

TRADE AND COMMERCE—*contd.*

Periodicals.

	COTTON SPINNING AND WEAVING IN INDIAN MILLS—
DGCIS.12.5.38.	May 1938. *As. 10 or 1s.*
	EXPORTS OF INDIAN ARTWARE AND SPORTS GOODS—
DGCIS.14.8.38.	August 1938. *Re. 1-2 or 2s.*
	INDIAN CUSTOMS AND CENTRAL EXCISE REVENUE—
DGCIS.15.10.38.	October 1938. *Anna 1 or 1½d.*
	INDUSTRIES OF INDIA. MONTHLY STATISTICS OF THE PRODUCTION OF CERTAIN SELECTED—
DGCIS.16.4 & 5.38.	April and May 1938. *As. 2 or 3d.*
	TRADE AND NAVIGATION—
	BRITISH INDIA. MONTHLY ACCOUNTS RELATING TO—
	Coasting—
DGCIS.11.7.38.	July 1938. *Rs. 4 or 6s. 9d.*
	Sea-borne—
DGCIS.13.9.38.	September 1938. *Re. 1-6 or 2s. 3d.*
	TRADE AT STATIONS ADJACENT TO LAND FRONTIER ROUTES—
DGCIS.18.7.98.	July 1938. *As. 14 or 1s. 6d.*
	TRADE OF INDIA—
	INLAND (RAIL AND RIVER-BORNE). ACCOUNTS RELATING TO—
DGCIS.19.6.38.	June 1938. *Rs. 2-2 or 4s.*
	TRADE STATISTICS—
	MARITIME STATES IN KATHIAWAR AND THE STATE OF TRAVANCORE—
DGCIS.20.7.38.	July 1938. *Rs. 3-6 or 5s. 9d.*
	RAW COTTON—
DGCIS.21.6.38.	June 1938. *Re. 1-12 or 3s.*
	WHOLESALE PRICES OF CERTAIN STAPLE ARTICLES OF TRADE AT SELECTED STATIONS IN INDIA—
DGCIS.22.3.38.	No. 3 of 1938. *As. 5 or 6d.*

Reports and Proceedings.

	SEA-BORNE TRADE—
	MADRAS PRESIDENCY—
CBR.38.38.	Report, 1937-38. *Rs. 3-2 or 5s.*

NOTICE.—Books and Acts required for private use must be purchased. Application should be accompanied by a remittance, unless it is wished that the book should be sent by value-payable post. Books and Acts required for the public service should be obtained through the Local Government to whom the applicant is subordinate.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, DECEMBER 10, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 22nd October 1938.

On and after the 22nd October 1938, and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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Part II-A	15	0	0	5	0	0
Part III	12	0	0	2	8	0
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Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 10th December 1938.

SPECIAL NOTICE.

It is hereby notified for general information that printed specifications Nos. 1 to 16000 have been weeded out by the Manager of Publications, Delhi, and that copies of the said printed specifications will be henceforth available for sale at the Patent Office, No. 1, Council House Street, Calcutta.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

November 26, 1938.

25921. V. Dias. An improved incubator.
25922. E. G. Shircore and A. E. Young. A locking device for bolts and nuts.
25923. C. M. Lohar. An improved closable grating for the entrance of storm water gullies or the like.
25924. H. J. Hoogstraten. Improvement in apparatus for receiving and delivering line clear tokens.
25925. Ramackers Syndicate. Improvement in and relating to the process of and apparatus for withering tea leaf.
25926. The Indian Hume Pipe Co. Ld. An improved manner of fabricating reinforced concrete and the like hollow poles or hollow tubular articles with tapered bores.
25927. G. E. Langrish. Improvements in and relating to valve mechanism for use on locomotive steam and the like engines.

November 28.

25928. The Dunlop Rubber Co. (India) Ld. A new or improved article constructed for use in providing buoyant support in water and alternatively as a bolster, pillow, cushion, or like support.
25929. D. A. Pavely and L. E. Williams. Improvements in and relating to mechanical toys. (December 17, 1937.)
25930. B. C. Mallick. An improved lamp shade for advertisement purposes.
25931. Tootal Broadhurst Lee Co. Ld. Improvements in and relating to the manufacture of collars for personal wear. (November 29, 1937.)
25932. Universal Winding Co. Improvements in or relating to yarn or like winding machines. (October 11, 1938.)
25933. "Fides" Gesellschaft Fur Die Verwaltung Und Verwertung Von Gewerb-Lichen Schutzrechten m. b. H. Improvements in or relating to electron discharge device oscillation generators.
25934. Granitese (Great Britain) Ld., G. J. Staples and J. C. B. McGuffie. An improved waterproofing agent and method of manufacturing and applying the same.
25935. F. W. M. Lee. Improvements in or relating to measuring gauges. (December 10, 1937.)
25936. International General Electric Co. Inc. Improvements in or relating to electric discharge apparatus.
25937. International General Electric Co. Incorporated. Metal radio tubes.
25938. Metropolitan-Vickers Electrical Co. Ld. Improvements relating to alternating current voltage regulators.
25939. Metropolitan-Vickers Electrical Co. Ld. Improvements relating to alternating current voltage regulators.

November 29.

25940. W. J. Beasley. Improvements in collapsible boxes, cabin trunks, suit cases and the like.
25941. The Indian Hume Pipe Co. Ld. Improvements in or relating to service connections from pipes or mains, and means for making such connections.

November 30.

25942. British Insulated Cables Ld. Improvements in switch-frogs for the overhead conductors of electric traction systems. (December 1, 1937.)
25943. Marconi's Wireless Telegraph Co. Ld. Improvements in or relating to remote control systems for volume or gain control of electron discharge device amplifiers. (December 1, 1937.)

December 1.

25944. A. N. Puri. Clay tube wells.
25945. A. R. Khan. Improvements in or relating to electric wire casing.
25946. G. F. Playfair & Co. Method and apparatus for grading sugar.

December 2.

25947. S. R. Lalkaka. An improved repeating rat-trap.
25948. P. C. Mitra. Improvements in or relating to the form of the ordinary Indian cauldron (Karai).
25949. C. Clutsom. Improvements in or relating to looms with stationary weft supplies. (December 3, 1937.)

Alteration of Date.

(I)

24617. The claim to priority date 9th November 1936 has been disallowed and the application dated as of 8th November 1937, the date of filing in India.

(II)

25831. Ante-dated 13th June 1938 under Section 5.

(III)

25866. Ante-dated 13th September 1937 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24414. I. G. Farbenindustrie Aktiengesellschaft. Process for the production of depolarising compositions from pyrolusite. *Treating pyrolusite with alkaline solutions and the absorbed alkali removed as soluble salts by treating with acids.*

24617. The General Electric Co., Ld. Improvements in or relating to electric fans. *Stator rotor supplied on spindle and the whole with guard means is carried by a bracket.*

24719. S. Perry. An instrument for graphically recording the behaviour of rails joints and permanent way in general when subjected to load and speed. *Means attached to rail foot actuate marking device on graph.*

24764. W. Walker. Improvements in and relating to warp supply and tension means therefor, for looms for weaving. (February 24, 1937.) *Magazine creel close to the rear of the loom provided with guides for individual "ends" given a sinuous course by sets of tension rollers.*

24869. J. A. Cox. Improvements in or relating to the construction of buildings and other structures. *Use as binding material between bricks emulsion comprising equal proportions of bitumen and water with gum arabic.*

24902. P. R. Damzen. Improvements in or relating to liquid raising means. *Air tight container having inlet and outlet pipes with control valves and air discharge non-return ball valve.*

25172. R. G. Le Tourneau, Inc. Improvements in scrapers for receiving, carrying and discharging loads. *Bowl having back plate and gate connected ds a unit by pivoted beam with means to control swinging movement of said unit.*

25185. Chivers & Sons, Ld. Improvements in or relating to closures for jars or similar containers. (March 26, 1938.) *A cap or cover with an integral opening member or lever having a strengthening portion to prevent buckling during operation.*

25202. The General Electric Co., Ld. Improvements in or relating to electric discharge devices using material adapted to be excited to luminescence by the discharge. (May 14, 1937.) *Part of luminescent material has the same properties as magnesium tungstate.*

25240. Platt Brothers & Co. Ld., H. Wilkinson and N. Pilkington. Apparatus for mechanically treating flax straw or stalks or bast fibres for production of a decorticated and cleaned mass thereof. (June 26, 1937.) *Plurality of units of decorticating and crimping rollers with loading and driving the same and with a feeding lattice.*

25281. Burn & Co., Ld. Improvements in and relating to refractory or heat and/or sound insulating materials to products made therefrom and to methods of manufacturing the same. *Heating vermiculite to a temperature of 1650-2000°F.*

25333. N. V. Internationale Maatschappij Voor Hydreeringstechniek &-Chemie (International Hydrogenation Engineering and Chemical Company). Process for the hydrogenation of liquid olefine polymers. *Catalyst consisting sulphide of molybdenum or tungsten together with sulphide of nickel or cobalt.*

25352. The Bombay Dyeing & Manufacturing Co., Ld. Improvements in or relating to the production of material patterned in colour. (March 29, 1938.) *Preparations producing select colours applied in different portions of the material before treatment with an azodye.*

25388. D. H. Smith. An improved electric water heater. *Water from the inner container falls directly into the outer vessel.*

25470. The General Electric Co. Ld. Improvements in heavy alloys. *Containing more than ½ per cent. Cu and 3½ per cent. Ni, the remainder being tungsten.*

25502. R. B. B. Amin. An improved diesel oil engine head. *Two venturi-shaped sections arranged in tandem with external means for blocking throat of outer opening.*

25516. B. Ames. Improved electric cooking apparatus. *Cooker with means for removing odors and smells.*

25534. The General Electric Co. Ld. Improvements in auxiliary electrodes in electric discharge devices. (August 26, 1937.) *Inner end of layer on quartz rod serves as auxiliary electrode.*

25544. Allgemeine Holzimpragnierung G. m. b. H. Wood preservative. *Mixture of alkali fluoride and alkali dichromate.*

25565. The General Electric Company Limited. Improvements in translucent refractory materials. (December 14, 1937.) *Sintering together a mixture containing 80 to 95 per cent. alumina and silica, thoria above 1 per cent. and magnesia and beryllia above 2 per cent.*

25567. Chinoin gyogyszer es vegyeszeti termekek gyara r. t. (Dr. Kereszty & Dr. Wolf). A process for the preparation of aromatic amines containing a sulphonamide group in the aromatic ring and of derivatives thereof. *Disubstituted amido-sulphonyl halides reacted with aromatic amines or their salts in presence of catalysts used in Friedl-Crafts reaction.*

25615. British Insulated Cables, Ld. Fire resisting compositions for coating or impregnating textile materials (September 23, 1937). *Comprising in specified proportions of white lead, boiled linseed oil chlorinated rubber and organic solvents.*

25831. Mrs. E. M. Gill. An improved apparatus for use with derailment preventing means. [Antedated June 13, 1938]. *Inverted U-shape frame engaging sleeper and screwed spindle passing through its transverse member and engaging spike head.*

25866. I. G. Farbenindustrie Aktiengesellschaft. Improvements in or relating to the production of depolarising compositions from hydrated manganese dioxide. [Antedated September 13, 1937]. *Treating with aqueous solution of a chromate or chlorate.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

24086. I. G. Farbenindustrie Aktiengesellschaft.
24258. The General Electric Co., Ld.
24552. Addressograph-Multigraph Corporation.
24559. Standard Telephones and Cables, Ld.
24567. Dickeson.
24685. Manikka Naicker.
24840. The General Electric Co., Ld.
24894. Durand & Huguenin A. G.
24912. Dyckerhoff Portland-Zementwerke Aktiengesellschaft.
24930. May & Baker, Ld.
25065. Marshall's Tea Machinery Co., Ld.
25110. Ehrich and Graetz Aktiengesellschaft.
25174. Lathe, Pitt and Hodnett.
25267. Jardine.
25287. The General Electric Co., Ld.
25302. Martin.
25311. Automatic Telephone and Electric Co., Ld.
25331. Standard Telephones and Cables, Ld.
25405. Maytum and Smith.
25440. F. Hoffmann-La Roche & Co., Aktiengesellschaft.
25448. Fielder's General Products Pty., Ld.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

23937. The General Electric Co., Ld.
24052. The Indian Hume Pipe Co., Ld.
24075. The General Electric Co., Ld.
24205. James Mackie & Sons, Ld.
24224. Filtration & Water Softening Proprietary, Ld.
24162. The General Electric Co., Ld.
24234. J. V. Martinho.
24237. Filtration & Water Softening Proprietary, Ld.
24238. Pomilio.
24242. Nier.
24257. Standard Telephones and Cables, Ld.
24363. The General Electric Company, Limited.
24283. Expanded Rubber Co., Ld.
24286. Carkontrol Proprietary, Ld.
24372. I. G. Farbenindustrie Aktiengesellschaft.
24385. Vogel-Jorgensen.
24400. The P. & M. Co. (England), Ltd.
24488. Varshney.
24582. Dr. Sen and Joshi.
24645. James F. Low & Co., Ld., and Lambert.
24653. The Thermolux Glass Co., Ld.
24704. The General Electric Co., Ld.
24723. Allmanna Svenska Elektriska Aktiebolaget.
24743. Beyer.
24761. Marconi's Wireless Telegraph Co., Ld.
24793. Ehrich and Graetz Aktiengesellschaft.
24822. The Indian Hume Pipe Co., Ld.
24842. Paul.
24873. The British Tabulating Machine Co., Ld.
24875. Wredden.
24893. Monotype Machine (Colonial Patents) Syndicate, Ld.
24947. The General Electric Co., Ld.
24989. The British Ropeway Engineering Co., Ld.
25024. Stroher.
25028. Vercruysse and Vercruysse.
25052. Seip.
25095. Fichtel and Sachs Aktiengesellschaft.
25250. National Carbon Co. Inc.
25251. National Carbon Co. Inc.
25386. Marconi's Wireless Telegraph Co., Ld.

Patents Sealed.

23861. Thermo-Electric Oil Extraction, Ld.
24136. Saraswati Industries, Ld.
24139. Saraswati Industries, Ld.
24140. Saraswati Industries, Ld.
24169. The Laterite Syndicate, Ld.
24173. Standard Telephones & Cables, Ld.
24176. Research Corporation.
24256. Fletcher.
24271. Shrimati R. Kaur.
24316. Symonds.
24470. Union-Kupplung Aktiengesellschaft.
24497. Jefferies and Peirce, Leslie & Co., Ld.
24573. Scroggie and Brodie.
24707. Colgate-Palmolive-Peet Co.
24757. Brassert and H. A. Brassert & Co., Ld.
24758. Loumiet Et Lavigne.

24802. Nyborg and The Mining Engineering Co., Ld.
24862. N. V. De Bataafsche Petroleum Maatschappij.
24886. Reynard and Thomas Ness, Ld.
25002. Pilkington Brothers, Ld.
25016. Imperial Chemical Industries, Ld.
25072. Asahina.
25073. Asahina.
25078. Wilkes and Whatnuff.
25085. Ashton-Hockly.
25369. Reynard and Thomas Ness, Ld.
25383. Digby and Digby.

Opposition Proceedings.

(I)

The opposition entered by The Ahmedabad Manufacturing and Calico Printing Co., Ld., to the grant of a patent on application No. 24692 made by S. M. Sundrum and notified in Part II of the *Gazette of India*, dated the 13th August 1938, has been treated as abandoned.

(II)

An opposition has been entered by A. J. Patel to the grant of a patent on application No. 24822 made by The Indian Hume Pipe Co., Ld.

(III)

An opposition has been entered by J. C. Patel to the grant of a patent on application No. 24822 made by The Indian Hume Pipe Co., Ld.

(IV)

An opposition has been entered by R. B. Patel to the grant of a patent on application No. 24822 made by The Indian Hume Pipe Co., Ld.

Amendment Proceedings.

25205. In pursuance of leave granted on the 30th November 1938, the above numbered specification has been amended in the manner set forth in Part II of the *Gazette of India*, dated the 20th August 1938.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

No. 18852. Brooke, Bond & Co., Ld.
No. 23790. Magnesium Metal Corporation, Ld.
Nos. 23897, 23898 and 23899. Murex, Ld.

Renewal Fees Paid

PATENTS.

11933. International De Lavaud Manufacturing Corporation, Ld. (To 21st December 1939).
12796. Lennman. (To 7th December 1939).
12911. Bird and Co. (To 20th January 1940).
12912. Bird & Co. (To 20th January 1940).
13085. Compagnie Internationale Des Pieux Armes Frankignoul S. A. (To 21st March 1940).
13894. Rotinoff. (To 3rd January 1940).
14086. The Selden Co. (To 7th January 1940).
14104. General Foods Co. (To 27th February 1940).
14127. The Selden Co. (To 28th January 1940).
14215. I. G. Farbenindustrie Aktiengesellschaft. (To 27th March 1940).
14216. I. G. Farbenindustrie Aktiengesellschaft. (To 27th March 1940).
14508. The Kiwi Polish Co. Proprietary, Ld. (To 11th January 1940).
14970. Chorlton and ors. (To 5th December 1939).
15027. Societe Anonyme d'Etudes et de Constructions d'Appareils Mecaniques Pour La Verrerie. (To 19th November 1939).
15076. Brandwood. (To 3rd December 1939).
15158. McWilliam & anr. (To 18th December 1939).
15304. The Anode Rubber Co., Ld. (To 22nd January 1940).
15412. The British Thomson-Houston Co., Ld. (To 25th February 1940).
15439. I. G. Farbenindustrie Aktiengesellschaft. (To 4th March 1940).
16353. Dunlop Rubber Co., Ld. (To 5th January 1940).
16384. Chorlton and ors. (To 7th December 1939).
16498. Patentees Textiles S. A. and anr. (To 4th December 1939).
16620. Centrifugal Pipe Corporation. (To 13th January 1940).
16639. Dunlop Rubber Co., Ld. (To 23rd January 1940).
16640. Dunlop Rubber Co., Ld. (To 23rd January 1940).
16751. I. G. Farbenindustrie Aktiengesellschaft. (To 24th February 1940).
16758. Swindsen. (To 25th February 1940).
16865. I. G. Farbenindustrie Aktiengesellschaft. (To 31st March 1940).
17554. Standard Telephones and Cables, Ld. (To 2nd January 1940).
17655. American Cyanamid Co. (To 23rd December 1939).
17677. I. G. Farbenindustrie Aktiengesellschaft. (To 5th January 1940).
17692. Dunlop Rubber Co., Ld., and ors. (To 20th January 1940).
17780. Allen. (To 15th February 1940).
17811. International General Electric Co. Inc. (To 23rd February 1940).
18592. Casablancas. (To 21st December 1939).
18600. Cheney. (To 2nd January 1940).
18634. Dunlop Rubber Co., Ld., and ors. (To 23rd January 1940).
18725. International General Electric Co. Inc. (To 10th February 1940).
18737. International General Electric Co. Inc. (To 15th February 1940).
19447. Casablancas. (To 5th December 1939).
19481. Casablancas. (To 13th December 1939).
19508. Edward E. Johnson Inc. (To 19th December 1939).
19516. Jones. (To 29th December 1939).
19566. The New Jersey Zinc Co. (To 9th January 1940).
19759. I. G. Farbenindustrie Aktiengesellschaft. (To 27th March 1940).
20432. Casablancas. (To 4th December 1939).
20433. Casablancas. (To 4th December 1939).
20435. Brooks. (To 4th December 1939).
20466. Standard Telephones and Cables, Ld. (To 2nd January 1940).

20547. I. G. Farbenindustrie Aktiengesellschaft. (To 22nd January 1940).
20577. B. Laporte, Ld. (To 5th February 1940).
20578. Dortmund-Horder Huttenverein Aktiengesellschaft. (To 5th February 1940).
21166. Dutt and anr. (To 12th September 1939).
21411. Pillemer. (To 30th November 1939).
21418. DePenning. (To 3rd December 1939).
21428. Jones. (To 4th December 1939).
21421. Distillation a Basse Temperature et Auto-Agglomeration des Combustibles, Societe a'Responsabilite Limitee. (To 3rd December 1939).
21519. James Mills & Co. (Engineers) Ld., and ors. (To 11th January 1940).
21550. I. G. Farbenindustrie Aktiengesellschaft. (To 14th January 1940).
21566. The Parker Pen Co. (To 21st January 1940).
21570. L'Air Liquide Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude. (To 31st January 1940).
21579. Tootal Broadhurst Lee Co., Ld. (To 25th January 1940).
21684. B. Laporte Ld., and anr. (To 5th March 1940).
22502. Sizer. (To 8th January 1940).

Cessation of Patents.

11581. Carter Mayhew Manufacturing Co.
12524. International General Electric Co. Inc.
13557. Dieterich.
16420. The Barrett Co.
17593. The Burmah Oil Co., Ld.
19148. Brighten.
20197. Ramsden.
21104. Coats and anr.
21117. Chatterjee.
21118. Stephenson.
21119. Lunt.
21122. I. G. Farbenindustrie Aktiengesellschaft.
21125. Klimt and anr.
21128. Banerji and anr.
21130. Baddeley.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets :—

Class 3. Nos. 63974 and 63975. Dunlop Rubber Co. (India), Ld., of No. 57-B, Free School Street, Calcutta, British India. November 11, 1938. (14th June 1938).

Class 13. Nos. 63896 to 63900, 63902 to 63907, 63911 to 63923 and 63925. The Standard Mills Co., Ld., of 29, Rustom Building, Churchgate Street, Fort, Bombay, British India. October 24, 1938.

Class 14. Nos. 63939, 63940 and 63942. The Central India Spinning, Weaving and Manufacturing Co., Ld., of "Bombay House", Bruce Street, Fort, Bombay. October 28, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 3. Nos. 57700 and 57701. Ebrahim Sultanally Patanwala trading as E. S. Patanwala & Co., of Abdul Rehman Street, Bombay No. 3, British India. January 22, 1934.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.
LUCKNOW	Amiruddaula Public Library.
MADRAS	Record Office, Egmore.
Do.	College of Engineering.
PATNA	Office of the Director of Industries, Bihar and Orissa.
POONA	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.)	The Patent Office

B.—Where publications other than printed specifications are available :—

LONDON	Office of the High Commissioner for India, India House Aldwych, W. C. 2.

K. RAMA PAI,
Controller of Patents and Designs.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Return of the Rupee Debt of the Central Government of India for 30th September 1938.

[Thousands of Rupees.

PUBLIC DEBT BEARING INTEREST.

Particulars.	Date of issue.	Conditions of Repayment.	Amount outstanding.	TOTAL.
			Rs.	Rs.
TREASURY BILLS .	..	....	46,00,50	
WAYS AND MEANS ADVANCES.	..	....	..	
POST OFFICE CASH CERTIFICATES.	..	....	59,61,70	
POST OFFICE SAVINGS BANK DEPOSITS.	..	....	82,50,01	
PROVIDENT FUNDS AND OTHER UNFUNDED DEBT.	..	....	93,64,20	2,81,76,41
TERMINABLE LOANS—				
5½% Loan, 1938-40 .	1st Oct. 1932 .	On or before 1st October 1940, but not preceding 1st October 1938, with three months' previous notice.	6,23,76	
5% Loan, 1939-44 .	15th July 1929	On or before 15th July 1944, but not preceding 15th July 1939, with three months' previous notice.	20,07,03	
5% Loan, 1940-43 .	1st Oct. 1932 .	On or before 1st October 1943, but not preceding 1st October 1940, with three months' previous notice.	25,18,48	
3% Bonds, 1941 . .	15th Sept. 1934	On 15th September 1941 .	10,67,32	
4% Bonds, 1943 . .	1st Feb. 1933 .	On 1st August 1943 . .	14,97,18	
5% Income Tax Free Loan, 1945-55.	15th Oct. 1919	On or before 15th October 1955, but not preceding 15th October 1945, with three months' previous notice.	56,74,94	
¾% Loan, 1947-50	15th May 1933	On or before 15th November 1950, but not preceding 15th November 1947, with three months' previous notice.	55,94,37	
¾% Loan, 1948-52 .	1st June 1936 .	On or before 1st June 1952, but not preceding 1st June 1948, with three months' previous notice.	12,01,28	
% Loan, 1951-54 .	15th Sept. 1935	On or before 15th September 1954, but not preceding 15th September 1951, with three months' previous notice.	15,12,85	
% Loan, 1955-60	15th Sept. 1928	On or before 15th September 1960, but not preceding 15th September 1955, with three months' previous notice.	9,05,70	
oan, 1960-70 .	15th Sept. 1926	On or before 15th September 1970, but not preceding 15th September 1960, with three months' previous notice.	63,30,26	
Loan, 1963-65 .	1st June 1938	On or before 1st June 1965, but not preceding 1st June 1963, with three months' previous notice.	26,31,22	3,15,64,39
-TERMINABLE LOANS—				
EE AND HALF PER CENT.—				
42-43 . . .	1st Feb. 1843 .	At the option of the Government of India after three months' notice.	24,61,02	
54-55 . . .	30th June 1854.	Ditto . . .	20,74,75	
" coupon (a) .	..	Ditto . . .	5,30	
65 . . .	1st May 1865 .	Ditto . . .	38,47,46	
educed. 1879 .	16th Jan. 1879.	Ditto . . .	2,71,43	
00-01 . . .	30th June 1900	Ditto . . .	36,42,15	1,23,02,11
EE PER CENT.—				
96-97 . . .	22nd July 1896	Ditto . . .	3,23,54	3,23,54
WAY LOANS—				
haraja Holkar, 4½ p. c.	(1870-77). .	After 101 years . . .	70,00	
haraja Scindia, 4 p. c.	..	..	1,50,00	2,20,00
		TOTAL .		7,25,86,45

PUBLIC DEBT NOT BEARING INTEREST.

Particulars.	Date of discharge.	Amount.
		Rs.
5½% War Bonds, 1920.	15th Aug. 1920.	2,55
5½% War Bonds, 1921.	15th Sept. 1921.	2,51
5½% War Bonds, 1922.	15th Aug. 1922.	1,78
5½% War Bonds, 1923.	15th Sept. 1923.	47
4% Terminable Loan of 1915-16.	30th Nov. 1923.	20
5½% War Bonds, 1925.	15th Sept. 1925.	17
6% Bonds, 1926.	15th Sept. 1926.	92
6% Bonds, 1927.	1st Oct. 1927.	1,50
5½% War Bonds, 1928.	15th Sept. 1928.	1,31
6% Bonds, 1930	15th Aug. 1930.	3,72
6% Bonds, 1931.	15th Sept. 1931.	27
6% Bonds, 1932.	1st Oct. 1932.	1,17
5% War Loan, 1929-47.	15th May 1933.	4,06
4% Conversion Loan of 1916-17.	1st July 1933.	54
6% Bonds, 1933-36.	15th Aug. 1933.	2,12
5% Bonds, 1933.	1st Sept. 1933.	1,96
4% Loan, 1934-37.	16th Aug. 1934.	2,63
4½% Bonds, 1934.	15th Sept. 1934.	2,10
5% Bonds, 1935.	15th Sept. 1935.	1,71
6½% Treasury Bonds, 1935.	15th Sept. 1935.	8,04
TOTAL .		39,73

(a) Issued in London in conversion of the 4½ per cent. Loan.
* Amount held in London is 7,62,09.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES
New Delhi, the 28th November 1938.

A. C. GUPTA,
Accountant General, Central Revenues.

CURRENCY NOTES.

NOTICE.

Madras, the 2nd December 1938.

Portions of the following currency notes of the Madras Office of Issue are stated to have been destroyed and an application for payment of their value has been received from the party whose name is shown against the numbers. Any other party who considers themselves as having a right to them are warned to communicate at once with the undersigned.

Register No.	Note No.	Value.	Name and address of the applicant.
		Rs.	
D-11 of 1938	T/9-124964	100	Marimuthu Ammal, widow of Kanagasabai, Mathakoil Street, Varamaraikadu, Karaikal.
	S/77-698965	100	

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, MADRAS.

V. S. MARBALLI,
Currency Officer.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATION.

Bombay, the 2nd December 1938.

No. 39.—Mr. L. Pertwee is appointed Manager, Reserve Bank of India, Madras with effect from the close of business of the 25th November 1938 *vice* Mr. M. M. Bhargava proceeded on leave.

MANILAL B. NANAVATI,
Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICES.

Calcutta, the 1st December 1938.

The following appointments on the Bank's staff are hereby notified:—

Mr. F. H. Moorhouse to officiate as Secretary and Treasurer, Bengal Circle, as from the close of business on the 30th November 1938, *vice* Mr. H. J. Fitz-Patrick.

Mr. E. J. Dawson to officiate as Deputy Secretary and Treasurer, Bengal Circle, as from the close of business on the 30th November 1938, *vice* Mr. F. H. Moorhouse.

Calcutta, the 1st December 1938.

In pursuance of Section 28 (1) (v) of the Imperial Bank of India Act, 1920, the Central Board have made the following appointment:—

Mr. H. J. Fitz-Patrick to resume his officiating appointment as Deputy Managing Director with effect from 1st December 1938, *vice* B. A. C. Neville.

Calcutta, the 2nd December 1938.

The following appointment on the Bank's staff is hereby notified:—

Mr. N. G. Irvine assumed charge of the appointment of Chief Accountant, Bombay Local Head Office, as from the close of business on the 29th November 1938, *vice* Mr. J. H. Herd.

W. LAMOND,
Managing Director.

INDIAN SOFT COKE CESS COMMITTEE.

NOTIFICATION.

Calcutta, the 30th November 1938.

No. 9412.—The Indian Mining Federation have nominated Mr. K. Basu of Messrs. North Adjai Coal Company, Ltd., 100, Clive Street, Calcutta to represent them on the Soft Coke Cess Committee *vice* Mr. P. Basu, resigned.

J. R. HARRISON,
President,
Soft Coke Cess Committee.

DEPARTMENT OF EXPLOSIVES.

NOTIFICATION.

Calcutta, the 30th November 1938.

No. G. 15 (16)-1/G. 15 (17)-1.—On completion of their probationary periods, Messrs. S. N. Lahiri, M.Sc., and N. S. Mankiker, B.Sc., B.E., Temporary Assistant Inspectors of Explosives, South Circle and East Circle, are confirmed in their temporary posts from the 7th and 18th October 1937, respectively.

G. PEACE,
Chief Inspector of Explosives in India.

SURVEY OF INDIA.

List of maps published during the month of November 1938.

GEOGRAPHICAL, GENERAL AND SPECIAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Description.	Year of survey.	Date of edition.	Number of sheets.	Size per sheet in inches.	Price.	Remarks.
GEOGRAPHICAL MAPS.					Rs. As.	
INDIA AND ADJACENT COUNTRIES SERIES. (*Scale 1 inch =1,000,000*)						
Sheet No. 47 "Bombay" . .	..	1938	1	26×22	1 0	Ordinary Edition. Fourth (Revised) Edition. In black, blue and brown only.
SPECIAL MAPS.						
CANTONMENT PLANS. (*Scale 16 inches to 1 mile.*)						
*Risālpur Cantonment Sheets Nos. 2, 3 and 4.	1937-38	1938	3	Various	2 0 per sheet.	Second (Revised) Edition.

* Copies of this plan are obtainable from the Director, Geodetic Branch, Survey of India, Dehra Dun.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta.

Index Number.	District, etc.	Year of survey.	Date of edition.	Price.	Remarks.
				Rs. As.	Underlining for Map Catalogue :— (*a*) Double red line.
	1. QUARTER-INCH MAPS. (*Scale 1 inch to 4 miles.*)				
43 N	"Drās"	1911-15	1938	1 8	Fourth Edition.
83 P	"Banmauk"	1914-16, 1919-22, 1923-24, 1927-32	1937	1 8	(*a*)
	2. HALF-INCH MAPS. (*Scale 1 inch to 2 miles.*)				
45 P/SE	Parts of Indore State and Mālwa Agency, Mandasor and Shājāpur Districts and Jhālawār and Tonk States.	1936-37	1938	1 8	(*a*)
64 K/SW	Part of Raipur District .	1934-35	1937	1 8	(*a*) Complete map.
65 N/SW	Parts of Vizagapatam and Koraput Districts.	1933-34	1937	1 8	(*a*)
	3. ONE-INCH MAPS. (*Scale 1 inch to 1 mile.*)				
†38 O/10	Parts of Kohāt and Peshāwar Districts and Tribal Territory (Afrīdi).	Various	1938	1 8	Fourth (Revised) Edition.
39 K/13	Parts of Dera Ghāzi Khān and Muzaffargarh Districts.	1936-37	1938	1 8	
‡§ 46 A/12 and parts of 46 A/16 and A/8. (old Bombay 122.)	Parts of Mehsāna, Ahmadābād and Kaira Districts and Idar State and Sābar Kāntha Agency.	1877-78	1938	1 8	Reprinted with additions and corrections.

*Copies of these maps are obtainable from the Curator, Government Book Depot, Rangoon, Burma.
† Gridded copies of this map can be supplied at annas three per copy extra.
‡ Gridded copies of this map can be supplied at annas six per copy extra.
§ Complimentary copies of these maps will not be issued.

List of maps published during the month of November 1938.

TOPOGRAPHICAL MAPS.—Obtainable from the Officer in Charge, Map Record and Issue Office, 13, Wood Street, Calcutta—*concld.*

Index Number.	District, etc.	Year of survey.	Date of edition.	Price.	Remarks.
				Rs. AS.	
	3. ONE-INCH MAPS—*concld.* (*Scale 1 inch to 1 mile.*)				Underlining for Map Catalogue :— (*a*) Double red line.
*48 I/12 and parts of 48 I/16 and I/8 (old Bombay 278 and part of 308).	Parts of Dhārwār and North Kanara Districts.	1888-90 1893-94	1938	1 8	Reprinted with additions and corrections.
†63 G/15	Part of Allāhābād District	1923-24	1938	1 8	Third Edition.
64 H/11	Parts of Raipur District and Kānker State.	1936-37	1938	1 8	(*a*)
65 I/3	Parts of Bastar State and Koraput District.	1936-37	1938	1 8	(*a*)
84 B/3	Parts of Chittagong District and Chittagong Hill Tracts.	1936-37	1938	1 8	(*a*) Complete map.
‡85 M/1 and part of 85 M/5 (part of old Burma 157).	Parts of Magwe, Minbu and Thayetmyo Districts.	1892-94 1903-04	1938	1 8	Reprinted with additions and corrections.
‡93 D/2	Parts of Meiktila and Yamethin Districts.	1936-37	1938	1 8	(*a*)
‡94 L/3	Part of Amherst District .	1923-24	1938	1 8	Second Edition.
‡96 I/15	Part of Mergui District . .	1920-21	1938	1 8	Second Edition.

* Complimentary copies of these maps will not be issued.
† Gridded copies of this map can be supplied at annas three per copy extra.
‡ Copies of these maps are obtainable from the Curator, Government Book Depot, Rangoon, Burma.

FOREST MAPS.—Obtainable from the Officer in charge, Forest Map Office, Survey of India, Dehra Dūn.

Description.	Year of Survey.	Date of edition.	Number of sheets.	Size per sheet in inches.	Price.	Remarks.
					Rs. AS.	
FOREST MAPS. (*Scale 4 inches to 1 mile.*)						
Burma Forest Sheet No. 204 S. E./4.	1896-98	1938	1	41×30	3 0	Third Edition.
Burma Forest Sheet No. 209 N. E./1.	1885-86	1938	1	40×30	3 0	Ditto.
Burma Forest Sheet No. 257 N. E./2 & 4 and 303 N. W./3.	1897-98	1938	1	40×30	3 0	Ditto.

The following was also published during the month and is obtainable from the Director, Geodetic Branch, Survey of India, Dehra-Dūn :—

Supplement to Levelling Pamphlet No. 47.

C. G. LEWIS, Brigadier,
Surveyor General of India.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M. / Sundays and other Gazetted holidays from 2 P.M. to 5 P.M. }

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 10th December 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines.

INDIAN COAL GRADING BOARD.

NOTIFICATION.

Calcutta, the 29th November 1938.

No. 3.—Mr. K. Basu has been nominated by the Indian Mining Federation, Calcutta, to be a Member of the Coal Grading Board *vice* Mr. P. Basu resigned.

J. R. HARRISON,

President,

Coal Grading Board.

OFFICE OF COMMISSIONER, CENTRAL EXCISES & SALT, NORTHERN INDIA.

NOTIFICATIONS.

RETIREMENT.

Delhi, the 22nd November 1938.

No. 124.—Mr. W. O. Davey, Assistant Commissioner, is permitted to retire from Government service in this Department with effect from the afternoon of the 21st September 1938.

(File No. 99-Et./38.)

CONFIRMATION.

Delhi, the 23rd November 1938.

No. 126.—Consequent on the retirement of Mr. W. O. Davey, Assistant Commissioner, from the Government service in this Department from 21st September 1938 afternoon, Mr. N. Daly, Officiating Assistant Commissioner, is confirmed as Assistant Commissioner, with effect from the same date and hour.

(File No. 99-Et./38.)

APPOINTMENT.

Delhi, the 23rd November 1938.

No. 127.—Mr. E. R. Goodwin, Officiating as Assistant Commissioner, *vice* Mr. W. O. Davey, is appointed to officiate as Assistant Commissioner in the leave vacancy of Mr. J. Rollo, with effect from 21st September 1938, afternoon.

(File No. 99-Et./38.)

MEDICAL.

Delhi, the 11th November 1938.

No. 122.—Dr. Saddiq Hussain, P.C.M.S., was appointed Assistant Surgeon, Mayo Salt Mines Dispensary, Khewra, with effect from 6th September 1938 *vice* Dr. Manibuddin Minhas, P.C.M.S., reverted to the Medical Department, Punjab.

Dr. Narain Das Kohli, P.C.M.S., has been appointed Assistant Surgeon, Mayo Salt Mines Dispensary, Khewra, with effect from the afternoon of 3rd October, 1938 *vice* Dr. Saddiq Hussain reverted to the Medical Department, Punjab.

(File No. 460-Et./38.)

F. C. KING, ESQ., I.C.S.,
Commissioner,
Central Excises and Salt,
Northern India, Delhi.

ROYAL INDIAN NAVY.

NOTIFICATION.

LEAVE.

New Delhi, the 6th December 1938.

No. 69.—*Corrigendum.*—In R. I. N. notification No. 66 of 10th November 1938, *for* the last sentence *substitute* "The first 2 months and 19 days will reckon as privilege leave".

HERBERT FITZHERBERT,
Rear-Admiral,
Flag Officer Commanding,
Royal Indian Navy.

INCOME-TAX DEPARTMENT, BENGAL.

To be substituted for the orders bearing the same number and date.

ORDERS.

Calcutta, the 4th November 1938.

No. 13415-C. T./2E./31.—Mr. J. C. Bhattacharjee, M.Sc., Income-tax Officer, Jalpaiguri-Darjeeling, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 1 month and 9 days with effect from the 15th November, 1938 to the 23rd December, 1938, with permission to affix the X'mas and New Year's Day holidays from the 24th December, 1938 to the 1st January, 1939 and the public holiday on the 2nd January, 1939 to the leave.

Calcutta, the 30th November, 1938.

No. 15665-C. T./2E./40.—Mr. S. J. Ahmed, M.A., Income-tax Officer, District VA, Calcutta (on leave) is allowed under Fundamental Rule 81 (b) (ii) an extension of leave on average pay for 1 month and 14 days with effect from the 10th November, 1938 with permission to affix the X'mas and New Year's Day holidays from the 24th December, 1938 to the 1st January, 1939 and the public holiday on the 2nd January, 1939 to the leave.

A. C. TURNER,
Commissioner of Income Tax, Bengal.

HIGH COURT OF JUDICATURE AT LAHORE.

NOTIFICATION.

Lahore, the 5th December 1938.

No. 357/10875-Genl./XVII-1.—It is hereby notified for general information that in the year 1939 the Civil Courts in the Punjab except at Simla and Delhi Province subordinate to the High Court of Judicature at Lahore will remain closed on account of the usual summer vacation from the 1st to 30th September 1939, both days inclusive.

By order of the Judges,
S. L. SALE,
Registrar.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 30th November 1938.

No. E. P.-451/II.—Mr. L. D. J. Turnbull, Executive Engineer, has been granted 67 days privilege leave combined with furlough for 2 months on full pay out of India with effect from the 18th November 1938.

This cancels notification No. E. P.-451/II, dated the 14th November 1938 published in the Gazette of India, Part II, dated the 19th November 1938.

Calcutta, the 3rd December 1938.

No. O. P. E.-418/5.—Mr. S. P. Chowdhury, officiating Superintendent, Senior Scale, Transportation (Traffic) and Commercial department, has been granted privilege leave for four months in India with effect from the 5th November 1938.

J. A. BELL,
General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 23rd November 1938.

No. 80-E./16.—Mr. A. C. Chatterjee, Assistant Executive Engineer, Eastern Bengal Railway, is promoted to the Senior Scale provisionally with effect from the 1st April 1938.

Mr. Phool Chand, Executive Engineer (Provisional) Eastern Bengal Railway, is permanently promoted to the Senior Scale with effect from the 12th November 1938.

Mr. S. C. Biswas, Assistant Executive Engineer, Eastern Bengal Railway, is promoted to the Senior Scale provisionally with effect from the 12th November 1938.

Mr. T. McIntyre, Assistant Bridge Engineer, (Junior Scale), is permanently promoted as Bridge Engineer (Senior Scale), Eastern Bengal Railway, with effect from the 23rd November 1938.

A. F. HARVEY,

General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATIONS.

Bombay, the 30th November/2nd December 1938.

No. 21620-S.-2242.—(1) Mr. S. L. Saksena, Assistant Mechanical Engineer (Junior Scale), has been appointed to officiate as District Controller of Stores (Senior Scale) with effect from 10th November 1938.

(2) Mr. C. J. Bower, Assistant Transportation Superintendent (Lower Gazetted Service), has been granted 8 months' combined leave, *viz.*, 4 months privilege leave and 4 months furlough on full pay with effect from 8th November 1938.

(3) Mr. D. H. Hewitt, Deputy Chief Mechanical Engineer (Provisional), availed himself of 5 months and 4 days combined leave (*viz.*, 4 months and 23 days on average pay and 12 days on half average pay) from 7th November 1938 instead of 5 months and 7 days as previously notified.

(4) Mr. J. S. Dowson, Assistant Executive Engineer (Junior Scale), has been granted 7 months and 14 days leave on average pay with effect from 21st October 1938.

(5) Mr. W. E. Gurney, Executive Engineer (Senior Scale), has been granted 4 months and 20 days combined leave, *viz.*, 3 months and 13 days privilege leave and the balance furlough on full pay with effect from 18th November 1938.

(6) Mr. J. I. Pearse, Assistant Traffic Manager (Senior Scale), has been granted 10 months and 11 days combined leave, *viz.*, 4 months privilege leave, 4 months furlough on full pay and the balance furlough on half pay with effect from 18th November 1938.

(7) Mr. S. S. Ramasubban, Assistant Traffic Manager (Junior Scale), has been appointed to officiate in the Senior Scale with effect from 18th November 1938.

(8) Rao Saheb M. N. Pagey, Officiating Senior Commercial Inspector, has been appointed to officiate as Assistant Traffic Manager in the Lower Gazetted Service with effect from 18th November 1938.

Bombay, the 5th December 1938.

No. 21620-S./2251.—Dr. S. C. Biswas, District Medical Officer, Senior Scale, availed himself of 7 months combined leave (*viz.*, 4 months privilege, 2 months and 2 days furlough on full pay and the balance furlough on half pay) from 26th April 1938 instead of 8 months as previously notified.

Mr. R. H. Heape, Assistant Executive Engineer (Junior Scale), has been granted 11 months combined leave (*viz.*, 3 months and 11 days privilege and the balance furlough on half pay) from 19th November 1938.

Mr. K. S. Narayanan, Assistant Executive Engineer (Junior Scale), has been granted 12 days leave on average pay from 19th November 1938.

Mr. C. G. Spurgeon, Assistant Accounts Officer, has been granted 1 year 8 months and 6 days combined leave (*viz.*, 2 months and 6 days privilege, 3 months and 24 days furlough on full pay and the balance furlough on half pay) preparatory to retirement from 21st November 1938.

Mr. S. S. Gopalkrishnan, Senior Accountant, has been appointed to officiate as Assistant Accounts Officer from 21st November 1938.

J. H. F. RAPER,

General Manager.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

New Delhi, the 8th December 1938.

No. S.-107/22.—Mr. L. D'Sena, Assistant Divisional Engineer, Telegraphs, is granted leave on average pay for three months with effect from the 9th October 1938.

G. V. BEWOOR,

Director-General of Posts and Telegraphs.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, DECEMBER 17, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 22nd October 1938.

On and after the 22nd October 1938, and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

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All subscriptions must be paid in advance.

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Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 17th December 1938.

CORRIGENDUM.

In the notification of this office published in Part II of the *Gazette of India*, dated the 19th November 1938 under the heading "Renewal Fees Paid"—

For the entry—

"20367. Khan. (To 8th November 1938)"

read—

"20367. Khan. (To 8th November 1939)".

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

DECEMBER 3, 1938.

25950. K. C. S. Warar. Improved electric door lock.

25951. W. & T. Avery Ld. An improved indicating mechanism applicable to weighing, measuring or other apparatus. (December 4, 1937).

25952. Standard Telephones and Cables Ld. Transmitting and receiving system for multiplex telephony or such like.

DECEMBER 5.

25953. S. R. Date. Improvement in type-writing machines of the Devanagari script.

25954. T. V. Ramaswamy Naidu. Putting caste mark with kunkam or liquid colour on the forehead of ladies etc., called "pocket tilakam".

25955. International General Electric Co., Inc. Improvements in or relating to electric discharge apparatus.

25956. R. Dewas. Improvements in needles for weaving looms. (January 19, 1938).

25957. R. Dewas. Weft inserting device for weaving looms having a continuous weft supply. (September 29, 1938).

25958. Pilkington Brothers Ld. Improvements in and relating to apparatus for bending glass sheets. (January 29, 1938).

25959. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to electrical remote control and indicator systems.

25960. The General Electric Co., Ld. Improvements in or relating to radio telegraph transmitters.

25961. F. D. R. Navarre dit Malherbe. Improvements in and relating to electric discharge tubes and lamps.

DECEMBER 7.

25962. The Metal Box Co., Ld. Improvements in and relating to boxes and like con tainers intended to be vacuumised. (December 7, 1937).

25963. May & Baker Ld. Process for the prepa ration of diamidine derivatives. (December 10, 1937).

25964. P. N. Bery and K. Ahmad. Improved means for pumping water and like fluids.

25965. Standard Telephones and Cables Ld. Improvements relating to wave transmission systems and apparatus.

DECEMBER 8.

25966. H. S. Chaturvedi, and M. A. Ekambaram. A new process for manufacturing activated carbons from bagasse and paddy-husk.

25967. Deutsche Eisenwerke Aktiengesellschaft. Improvements in or relating to socket pipe connections.

25968. WM. Simons & Co., Ld. Improvements relating to radial suction dredgers.

25969. S. N. Gupta. A process for the reactivation of bleaching agents for oils.

25970. The General Electric Co., Ld. Improvements in apparatus for transmitting television and the like. (December 13, 1937).

25971. S. Buxton. Improvements in or relating to fusible electric cut-outs. (December 13, 1937).

25972. Knoll Aktiengesellschaft Chemische Fabriken. A process for the production of stable, concentrated, aqueous solutions of theophylline and caffeine, suitable for injections.

25973. The Bradshaw Patent Screw Co. Ld. Improvements in or relating to screws and screw-driving tools. (December 7, 1937).

DECEMBER 9.

25974. A. G. Kulkarni. An article for sieving and scraping purposes.

25975. Standard Telephones and Cables Ld. Improvements in or relating to metering equipment for telecommunication exchange systems. (April 6, 1938).

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24507. G. H. B. Deck. An improved bottle closure. (October 13, 1936). *Striking plates projecting at right angles and each side thereof being of lesser depth than the major portion.*

24699. Standard Telephones and Cables Ld. Devices sensitive to the direction of propagation of electromagnetic waves. *Means for suppressing the mean current or voltage component from signals.*

24715. Mohd. Din. Drum for cotton or like fibrous material combing machine. *Serrated strips held between wooden separators and engaged by end rings.*

24728. Standard Telephones and Cables, Ld. Relay circuits. *Response of the relay delayed by a condenser which must first be charged to a certain extent.*

24729. H. O. Ellis and W. H. B. Cooper. Improvements in or relating to electrical communications systems. *Equipment for generating impulses the growth and decay curves of which are substantially symmetrical.*

24748. Standard Telephones and Cables, Ld. Antenna network particularly applicable to systems for radio-guiding of moving vehicles. *Comprising a receiving antenna and one or more conductors which are adapted to act either as reflector or director.*

24807. Telefunken Gesellschaft fur drahtlose Telegraphie m. b. H. Improvements in or relating to neutralisation circuits suitable for use in short wave radio and like transmitters. *Grid and cathode points caused to be substantially equipotential by means of T-tuned net work.*

24817. M. N. Goswami. Improved means and process for the manufacture of synthetic plastic substances. *Heating with metallic oxide and a metallic sulphide or sulphur at above 30 lbs. pressure.*

25175. N. P. Pitt, A. C. Halferdahl and F. E. Lathe. Refractories. *Mixing chrome iron with lime sufficient to convert all the silica into dicalcium silicate and burning at above 2600°F.*

25192. Hume Pipe Co. (Australia), Ld. Improvements in or relating to the jointing of pipes. *Thickness of faucet end of pipe increased by collar, loose ring encircling spigotend, packing ring therebetween and bolt connecting said collar and loose ring.*

25211. D. H. Remfry. Improvements in blood transfusion apparatus. *Container provided with inlet tube for drawing blood, a suction device and means for supporting container in inverted position.*

25216. S. M. Saied. An improved portable hearth. [Addition to No. 23205]. *A movable cornice to stove described in 23205, adapted to carry various sizes of vessels.*

25349. T. R. Thankam. A new type of coffee or tea making apparatus. *Outer vessel for boiling water, a filter to contain coffee powder and a vessel for boiling milk simultaneously.*

25402. R. C. Srivastava and Dr. H. D. Sen. A new decolorising mixture for refining low grade sugar and allied products. *Freshly precipitated colloid in conjunction with activated carbon as decoloriser.*

25454. M. N. Pai. An improved process and apparatus for the extraction of cashew nut shell oil. *Heat treatment in bath of cashew oil in which nuts travel below oil level and floating nuts are conveyed by independent means.*

25467. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to tuning control systems for radio receivers and the like. (July 20, 1937). *Tuning control system operated by push buttons.*

25474. R. B. B. Amin. Improvements in or relating to paper cutting machines. *Device for operating clamp beam in which manually operated cam co-operates which clamp beam operating element.*

25524. S. Ezaki. Improved manufacture of cocoa substitutes. *Crushing oil-rich nuts, removing fat and oil by steam heating and adding lactic acid and bacteria and after fermentation drying and roasting.*

25557. S. C. Ghosh. Improved oven. [Addition to No. 25086.] *Oven described in 25086 with removable heat damping means.*

25560. Takara Jidosha Kogyo Kabushiki Kaisha. An internal combustion engine with means for varying the compression ratio. *Liquid chamber and a movable member facing the combustion chamber.*

25561. L. P. B. Buys. Tea rolling machine. *Vertically moving press cover adapted to have both undulating movement as well as a rotating movement of the leaf.*

25583. The General Electric Co., Ld. Improvements in caps for electric lamps. (September 27, 1937). *A cap at each end, the base of each cap having a hole co-operating with the point of a pin.*

25584. The General Electric Co., Ld. Improvements in high-pressure metal-vapour lamps and in means for operating them. (September 28, 1937). *High pressure mercury discharge lamp having in series an iron wire in an atmosphere of hydrogen or helium.*

25601. The Guardite Corporation. Improvements in or relating to the treating, impregnating or moistening of bulk products for example organic products, particularly tobacco. *Introducing a volatile liquid to the product under subatmospheric pressure to produce a micromist and condensing a substantial portion of it.*

25630. The Linde Air Products Co. Improvements in electric welding apparatus. (July 28, 1938). *A compact and flexible welding head to automatically feed at any angle guide and adjust a continuous welding rod to the work.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

24263. Junghans.
24535. British Celanese, Ld.
24553. Madieu.
24603. National Processes, Ld.

24640. Mayr-Melnhof.
24696. Shah.
24720. Hume Steel, Ld.
24795. Vaidya.
24994. National Processes, Ld.
25045. McWilliam, Goodman, and McLeod & Co., Ld.
25061. Herrmann.
25077. I. G. Farbenindustrie Aktiengesellschaft.
25159. Skylux, Ld., and Villiers.
25165. Callender's Cable and Construction Co., Ld.
25176. Pitt, and Baker.
25255. Bode.
25271. The Superheater Co., Ld.
25292. Imperial Chemical Industries, Ld.
25320. Imperial Chemical Industries, Ld.
25347. Imperial Chemical Industries, Ld.
25378. Howard and Bullough, Ld.
25390. Reiners.
25396. The Amplilux Lighting and Illumination Co., Ld.
25412. Marconi's Wireless Telegraph Co., Ld.
25425. Nier.
25430. Telefunken Gesellschaft Fur Drahtlose Telegraphie m. b. H.
25477. Victor and (Miss) Ward.
25482. Christen.
25483. Imperial Chemical Industries, Ld.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

24276. Standard Telephones and Cables, Ld.
24278. National Carbon Co., Inc.
24360. H. A. Brassert and Company, Ltd.
24510. The General Electric Company, Limited.
24534. The General Electric Co., Ld.
24676. International Hydrogenation Patents Co. Ld.
24689. Sanitation.
24738. Dunlop Rubber Co. (India), Ld.
24783. The United Wire Works, Ld.
24823. Austral Cabinet Co., Ld.
24883. Furness, Anderson and Joseph Crosfield & Sons, Ld.
24934. The British Tabulating Machine Co., Ld.
24987. Western Products Co., Ld.
25008. Kilby.
25069. Uberoi.
25107. Marconi's Wireless Telegraph Co., Ld.
25114. Yoshida.
25131. Deshpande.
25437. The General Electric Co., Ld.

Patents Sealed.

24511. Guha.
24798. Hoag.
24977. Baksh.
25018. Electric Selectors Ld.
25019. Electric Selectors Ld.
25020. Ezra and Ezra.
25027. Lohar.

Opposition Proceedings.

The opposition entered by Hugo Schneider Aktiengesellschaft to the grant of a patent on application No. 23647 made by B. Nier and notified in Part II of the *Gazette of India*, dated the 23rd April 1938 has been allowed in part. The sealing of the patent will be subject to the amendment of the specification.

Amendment Proceedings.

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Michel Kadenacy of 120, rue Lecourbe, Paris, France, and Armstrong Whitworth Securities Company Limited, of Thames House, Westminster, London, S. W. 1, England, seek leave to amend the application in respect of their patent No. 23198 so as to abandon the priority date, the 6th September 1935, allowed for it under Section 78A of the Indian Patents and Designs Act, 1911, and to claim the priority date, the 29th August 1936 instead. Any person desirous of opposing the application for amendment should, at any time within three months from the date of this Gazette, give notice of his intention to do so in the prescribed form (Form No. 6 of the Indian Patents and Design Rules, 1933) at the Patent Office, 1, Council House Street, Calcutta

Registration of Assignments, Licenses, etc.

Assignments, licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

Nos. 18688, 20110, 20869, 20870, 20871, 21508, 19990, 20872, 20887, 15177 and 12842. The Indian Hume Pipe Co., Ld.
No. 20947. Fissan Export Co., G. m. b. H.

Renewal Fees Paid.

PATENTS.

10088. Walley and ors. (To 15th February 1940).
10884. Montgomerie. (To 8th December 1939).
10994. Chemische Fabrik Von Heyden Aktiengesellschaft. (To 19th January 1940).
10995. Bates Valve Bag Co. (To 19th January 1940).
12051. The Westinghouse Brake & Saxby Signal Co., Ld. (To 8th February 1940).
12961. Marconi's Wireless Telegraph Co., Ld. (To 11th February 1940).
13800. Kennedy. (To 25th November 1939).
13849. I. G. Farbenindustrie Aktiengesellschaft. (To 10th December 1939).
13938. Kodak Ld. (To 4th January 1940).
13987. Ring Springs Ld. (To 19th December 1939).
13991. H. H. Robertson Co. (To 23rd January 1940).
13992. Gebruder Volkart. (To 25th January 1940).
14036. Peter and ors. (To 23rd February 1940).
14045. Kirloskar. (To 7th February 1940).
14083. The Selden Co. (To 23rd January 1940).
14098. I. G. Farbenindustrie Aktiengesellschaft. (To 27th February 1940).
15301. Marconi's Wireless Telegraph Co., Ld. (To 11th February 1940).

15402. Wheatley an ors. (To 21st February 1940).
15432. J. Stone & Co., Ld. (To 4th March 1940).
15505. J. Stone & Co., Ld. (To 30th March 1940).
16418. Pulp Industries Ld. (To 11th February 1940).
16485. Gresham. (To 24th January 1940).
16594. Fasting. (To 6th January 1940).
16645. The Stanton Ironworks Co., Ld. and anr. (To 20th January 1940).
16695. Aktiebolaget Siefvert & Fornander. (To 7th February 1940).
16700. Imperial Chemical Industries Ld. (To 18th February 1940).
16707. Sandqvist and anr. (To 10th February 1940).
16856. Mabie Todd & Co., Ld. (To 11th January 1940).
17434. I. G. Farbenindustrie Aktiengesellschaft. (To 20th January 1940).
17572. Lightalloys Ld., and anr. (To 24th December 1939).
17591. Self. (To 1st December 1939).
17597. "Shell" Marketing Co., Ld. (To 20th December 1939).
17632. The Gas Light & Coke Co., and anr. (To 25th January 1940).
17656. Wolman. (To 23rd December 1939).
17697. Vitoux. (To 12th January 1940).
17709. British Isothermos Co., Ld. (To 18th December 1939).
17749. The British Thomson-Houston Co., Ld. (To 2nd February 1940).
17842. Karim. (To 7th March 1940).
18538. The Gas Light & Coke Co. (To 12th January 1940).
18552. The United Steel Companies, Ld. (To 24th June 1940).
18595. Winby. (To 23rd December 1939).
18660. Ste. Dite. Societe De Prospection Electrique Procedes Schlumberger. (To 12th January 1940).
18673. George Turton, Platts & Co., Ld., and anr. (To 18th January 1940).
18674. George Turton, Platts & Co., Ld., and anr. (To 18th January 1940).
18749. J. Stone & Co., Ld. (To 15th April 1940).
18759. Houdry Process Corporation. (To 23rd February 1940).
19461. International Bitumen Emulsions Corporation. (To 12th December 1939).
19472. John Wisden & Co., Ld. (To 6th January 1940).
19486. Wassmuth Kurth & Co., A. G. (To 19th December 1939).
19487. Fraser and ors. (To 14th January 1940).
19561. Mabie Todd & Co., Ld. (To 9th January 1940).
19576. Prache. (To 16th January 1940).
19638. Bombay Telephone Co., Ld. (To 7th February 1940).
19646. Imperial Chemical Industries Ld. (To 13th February 1940).
19647. Imperial Chemical Industries Ld. (To 13th February 1940).
19675. Marconi's Wireless Telegraph Co., Ld. (To 25th February 1940).
19691. Houdry Process Corporation. (To 27th February 1940).
20450. The P. & M. Co. (England) Ld. (To 12th December 1939).
20461. The P. & M. Co. (England) Ld. (To 14th December 1939).
20491. Bader. (To 2nd January 1940).
20530. Planta. (To 15th January 1940).
20564. Marconi's Wireless Telegraph Co., Ld. (To 23rd February 1940).
20598. Baker and anr. (To 7th February 1940).
20651. Goodchild and ors. (To 2nd March 1940).
20698. van Royen. (To 19th March 1940).
20753. Gordon. (To 8th December 1939).
21300. I. G. Farbenindustrie Aktiengesellschaft. (To 10th January 1940).
21491. Holford. (To 5th January 1940).
21558. British Celanese Ld. (To 20th January 1940).
21565. Peebles and ors. (To 21st January 1940).
21610. Shalimar Tar Products Ld. (To 2nd February 1940).
21629. Aktiebolaget Siefvert and Fornander. (To 5th February 1940).
21625. Shimwell. (To 23rd February 1940).
21662. LeClair and ors. (To 23rd February 1940).
21672. Society of Chemical Industry in Basle. (To 25th February 1940).
21720. B. Laporte Ld., and ors. (To 17th March 1940).
21790. Saunders. (To 8th March 1940).
22327. Winsor Axia Fans Ld. (altered to Axia Fans Ld.). (To 29th January 1940).
22402. The P. & M. Co. (England) Ld., and anr. (To 4th December 1939).
22512. Marconi's Wireless Telegraph Co., Ld. (To 21st February 1940).
22589. J. Stone & Co., Ld. (To 2nd March 1940).
22590. J. Stone & Co., Ld. (To 2nd March 1940).
22682. The English Electric Co., Ld. (To 18th March 1940).

Cessation of Patents.

11621. Badische Anilin & Soda Fabrik (altered to I. G. Farbenindustrie Aktiengesellschaft).
12562. Sutcliffe.
15124. Graaff.
16190. Sir Burney.
18320. Matthews.
19176. The Rail Joint Co.
20202. McIntyre.
20353. The Rail Joint Co.
21071. Kolb.
21135. Asa Singh.
21137. Icmic Cookers Ld.
21148. Herrington.
21149. Fink and anr.
21151. Bhise.
21759. Bohn Aluminum & Brass Corporation.
22076. Finburgh.
22114. National Coke & Oil (Foreign Rights) Ld.
22132. Prestwich.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 1. Nos. 63936 to 63938. Mari Papiah Chetty, of 16, Chinnathambi Street, Washermanpet, Madras, British India. October 26, 1938.

Class 12. Nos. 63383. Nur Ahmad, Son of Abdul Rahman, of Bara Bazar, Jhansi City, U. P. June 8, 1938.

Class 13. Nos. 63982 to 63985. Sha Dwarkadas Dhanji, of Mulji Jetha Market, Gaumukh Galli, Bombay 2. November 16, 1938.

Class 13. No. 63987. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. November 17, 1938.

Class 13. Nos. 64021 to 64024. The Svadeshi Mills Co., Ld., of "Bombay House", Bruce Street, Fort, Bombay. November 26, 1938.

Class 13. No. 64027. Sha Dwarkadas Dhanji, Mulji Jetha Market, Gaumukh Galli, Bombay 2. November 26, 1938.

Class 13. Nos. 64031 to 64032. Chotalal Ravicarandas & Co., of 42/44, Champagali, Bombay 2. November 28, 1938.

Class 13. Nos. 64033 and 64034. Sha Dwarkadas Dhanji, Mulji Jetha Market, Gaumukh Galli, Bombay 2. November 28, 1938.

Class 14. Nos. 63988 to 63992. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. November 17, 1938.

Class 14. No. 63996. Sham Dass Kapur & Co., of Amritsar, Punjab, British India. November 21, 1938.

Class 14. Nos. 64025 and 64026. The Svadeshi Mills Co., Ld. of "Bombay House", Bruce Street, Fort, Bombay. November 26, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 13. Nos. 57618 to 57622, 57627 and 57628. The Bombay Co., Ld., of 19, British Indian Street, Calcutta, British India. January 4, 1934.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . . .	Indian Institute of Science.
Do. . . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . . .	Office of the Director of Industries.
CALCUTTA . . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . . .	Punjab Public Library.
LUCKNOW . . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.) . .	The Patent Office

B.—Where publications other than printed specifications are available :—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

RESERVE BANK OF INDIA—PUBLIC DEBT OFFICE.

Statement of Government Promissory Notes enfaced for payment of Interest in London, under deduction of amount re-transferred to India, and outstanding in the Books of the Indian Government Rupee Loans Office, Reserve Bank of India on the 30th November 1938.

PARTICULARS.	2¾ PER CENT. LOAN.	3 PER CENT. LOANS.			3½ PER CENT. LOANS.					
	1948-52.	1896-97.	BONDS, 1941.	1951-54.	1842-43.	1854-55.	1865.	1879.	1900-01.	1947-50.
Balance of 31st October 1938.	*Nil*	11,19,700	*Nil*	1,06,900	26,27,200	94,25,300	40,32,400	10,72,100	4,35,650	3,30,65,600
Add—										
Amount of Loan Certificate Transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No. . .	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to 10th November 1938 . .	...	...	...	2,000	...	...	...	...	...	...
Amount enfaced at Calcutta between 1st and 30th November 1938.	...	...	...	...	...	...	...	...	...	...
	Nil	11,19,700	*Nil*	1,08,900	26,27,200	94,25,300	40,32,400	10,72,100	4,35,650	3,30,65,600
Deduct—										
Amount written off in the London Registers . .	...	...	...	...	1,000	29,800	4,000	1,000	3,000	...
Balance on 30th November 1938 .	*Nil*	11,19,700	*Nil*	1,08,900	26,26,200	93,95,500	40,28,400	10,71,100	4,32,650	3,30,65,600

PARTICULARS.	4 PER CENT. LOANS.		4½ PER CENT. LOAN.	5 PER CENT. LOANS.				5½ PER CENT. LOANS.		TOTAL.
	BONDS, 1943.	1960-70.	1955-60.	Indian War Loan, 1929-47.	1945-55.	1939-44.	1940-43.	War Bonds, 1928.	1938-40.	
Balance of 31st October 1938.	2,00,00,000	6,42,100	4,500	100	25,04,400	3,86,100	5,38,700	100	*Nil*	7,59,60,850
Add—										
Amount of Loan Certificate Transferred to Stock in London .	...	...	...	...	...	...	...	...	...	...
Amount issued in London by Conversion under Notification No.	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Madras up to	...	...	...	...	...	...	...	...	...	...
Amount enfaced at Bombay up to 10th November 1938.	...	...	...	...	3,600	...	...	...	...	5,600
Amount enfaced at Calcutta between 1st and 30th November 1938.	...	...	...	...	8,400	...	...	...	...	8,400
	2,00,00,000	6,42,100	4,500	100	25,16,400	3,86,100	5,38,700	100	*Nil*	7,59,74,850
Deduct—										
Amount written off in the London Registers . .	...	1,37,000	...	...	...	...	...	...	...	1,75,800
Balance on 30th November 1938	2,00,00,000	5,05,100	4,500	100	25,16,400	3,86,100	5,38,700	100	*Nil*	7,57,99,050

RESERVE BANK OF INDIA. S. A. RAHIM

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

Statement of Receipts and Disbursements of the Central Government in India and in England for October 1938.

(In lakhs of Rupees.)

	For October.		To end of October.		Whole year.	
	1937-38.	1938-39.	1937-38.	1938-39.	Revised, 1937-38.	Budget, 1938-39.
Revenue.						
Customs	3,91	3,62	25,01	22,19	43,93	43,81
Central Excise Duties	47	78	4,58	5,00	7,74	7,76
Corporation Tax	4	19	29	35	1,50	1,55
Taxes on Income other than Corporation Tax :—						
Gross receipts	1,41	1,25	6,30	5,93	13,50	13,70
Payments to Provinces	..	..	..	..	1,38	1,28
Net receipts	1,41	1,25	6,30	5,93	12,12	12,42
Salt	63	54	4,76	4,62	8,35	8,[illegible]
Opium	1	..	36	38	46	[illegible]
Posts and Telegraphs—Net receipts	—8	+3	19	—14	1,15	75
Other heads	26	79	1,78	3,61	9,27	9,01
Contribution from Railways*	—40	—35	8,02	6,60	2,83	2,56
Total Revenue	6,25	6,85	51,29	48,54	87,35	86,66
Expenditure.						
Gross Debt charges	5,54	5,14	26,15	24,47	48,96	49,30
Deduct—Amount Chargeable to other Governments, Departments, etc.	2,56	2,57	8,89	9,79	34,12	34,68
Net Debt Charges	2,98	2,57	17,26	14,68	14,84	14,62
Defence Services (Net)	3,89	3,42	26,40	25,76	47,22	45,18
Other heads	2,07	2,10	12,49	13,72	25,29	26,77
Total Expenditure charged to Revenue	8,94	8,09	56,15	54,16	87,35	86,57
Expenditure not charged to Revenue	1,40	3,39	4,13	6,31	2,98	9,71
Debt Heads—						
Permanent Debt (Net) India	—3	—4,76	—12	+91	+92	—8
Ditto England	—99	—67	—2,53	—2,20	—6,85	—2,94
Treasury Bills (Net)	+1,96	+1,07	+9,91	+9,07	+6,00	+5,00
Ways and Means Advances (Net)	..	+2,50	..	+2,50	..	..
Other Debt Head Transactions (Net)	+1,58	+77	—1,54	—2,44	+3,67	+6,[illegible]
Total	+2,52	—1,09	+5,72	+7,84	+3,74	+8,97
Total Transactions	—1,57	—5,72	—3,27	—4,09	+76	—65
Opening Balance	7,57	12,94	9,27	11,31	8,64	9,40
Closing Balance	6,00	7,22	6,00	7,22	9,40	8,75
* Details of Railway figures.						
Receipts.						
Gross receipts	7,84	7,75	56,39	55,89	99,83	99,43
Deduct—Working Expenses	*5,42*	*5,27*	*37,50*	*38,62*	*64,80*	*65,05*
Surplus Profits	*1*	..	*44*	*40*	*52*	*46*
Payments to worked Lines	*20*	*18*	*1,63*	*1,45*	*3,02*	*2,81*
Net receipts	2,21	2,30	16,82	15,42	31,49	31,11
Subsidised Companies	4	1	6	8	12	13
Miscellaneous Railway Receipts	6	6	10	7	1,12	1,34
Total	2,31	2,37	16,98	15,57	32,73	32,58
Expenditure.						
Railway Revenue Account—						
Interest and other charges	2,71	2,72	8,96	8,97	29,90	30,0[illegible]
Railway surplus + or Deficit	—40	—35	8,02	6,60	+2,83	+2,5[illegible]

NOTE.—Remittances to the Home Treasury do not figure separately in the above statement as the credits and debits in England and India respectively cancel each other.

NEW DELHI; A. C. GUPTA,

Accountant General, Central Re[illegible]

CURRENCY NOTES.

NOTICES.

Calcutta, the 6th December 1938.

Portion of the following note of the Calcutta Office of Issue is stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person/party who consider(s) himself/themselves as having a right to it is/are warned to communicate at once with the undersigned.

Register No.	Note No.	Value.	Name and address of the applicant.
		Rs.	
W.D./25 of 1938.	T/10-627551	100	Rekha Raut, Khansama, Manjha Estate, Village & P. O. Manjha, District Saran.

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

P. K. BASU,
Currency Officer.

Bombay, the 9th December 1938.

Portion of the following note of the Bombay Office of Issue is stated to have been destroyed, and payment of its value has been claimed by the person whose name is placed against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
D/26 of 1938	T/19-641014	100	Mr. Mohd. Waris, Peon, Office of the Inspector of Local Bodies, Lahore Division, No. 51, Lower Mall, Lahore.

V. G. DESHMUKH,
Currency Officer.

RESERVE BANK OF INDIA,
ISSUE DEPARTMENT, BOMBAY.

RESERVE BANK OF INDIA.

Central Office.

NOTIFICATIONS.

Bombay, the 7th December 1938.

No. 40.—Mr. K. V. Joshi is appointed to act as Assistant Currency Officer, Reserve Bank of India, Issue Department, Bombay, as from the afternoon of the 5th December 1938 *vice* Khan Bahadur C. R. Turner proceeded on leave.

Bombay, the 8th December. 1938.

No. 41.—On return from leave Mr T. V. Datar is reposted as Accountant, Reserve Bank of India, Delhi as from the close of business on the 5th December 1938 *vice* Mr. S. P. Puri.

Bombay, the 13th December 1938.

No. 43.—Mr. Gauri Shanker is appointed to act as Assistant Currency Officer, Reserve Bank of India, Issue Department, Lahore, with effect from the 10th December 1938 *vice* Mr. Md. Ghouse Mohiaddin proceeded on leave.

MANILAL B. NANAVATI,
Deputy Governor.

IMPERIAL BANK OF INDIA.

NOTICES.

Bombay, the 12th December 1938.

The following appointment on the Bank's staff is hereby notified :—

Mr. R. C. Broad to be Agent at Quetta Branch as from the close of business on the 7th December 1938 *vice* Mr. E. Radbone.

A. McCULLOCH,
Secretary & Treasurer.

Calcutta, the 12th December 1938.

The following appointment on the Bank's staff is hereby notified :—

Mr. R. W. E. Craddock to officiate as Deputy Secretary and Treasurer, Bombay Circle, as from the close of business on the 10th December 1938, *vice* Mr. J. D. Macgilvray.

W. LAMOND,
Managing Director.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on	Week-days and Saturdays from 10 A.M. to 7 P.M.
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The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,

Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 17th December 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,

Principal,

Indian School of Mines

IMPERIAL VETERINARY RESEARCH INSTITUTE, MUKTESWAR.

NOTIFICATIONS.

Mukteswar-Kumaun, U. P., the 9th December 1938.

No. G./2575.—Dr. S. N. Ray, Ph.D., is appointed to the post of Assistant Physiological Chemist, Animal Nutrition Section, Izatnagar, in the scale Rs. 200—15—350 (Efficiency Bar)—20—650 per mensem on probation for two years with effect from the 3rd December 1938.

Mukteswar-Kumaun, U. P., the 10th December 1938.

No. G./2589.—Dr. H. N. Ray, M.Sc., Ph.D., (Lond.), P.R.S., Systematic Protozoologist, is granted earned leave for 12 days from the 3rd to the 14th January, 1939, with permission to avail the gazetted holidays from the 24th December, 1938, to the 2nd January, 1939 and Sunday, the 15th January, 1939.

J. R. HADDOW,

Officiating Director,

Imperial Veterinary Research Institute,

Mukteswar-Kumaun, U.P.

GOVERNMENT OF INDIA, INDIAN STORES DEPARTMENT.

Office of the Chief Controller of Stores.

NOTIFICATIONS.

New Delhi, the 10th December 1938.

No. D.-513 (2).—Mr. R. K. Bhattacharjee, B.A., Head Clerk of the office of the Controller of Inspection, Calcutta Circle, Indian Stores Department, Calcutta, is appointed as Personal Assistant to the Superintendent, Government Test House, Alipore, Calcutta, with effect from the 6th December 1938.

New Delhi, the 13th December 1938.

No. D.-446 (14).—Mr. S. S. Iyengar, B.E. (Mech.), A.M.I.E. (India), A.M.I.Mech.E. (London), M. T. Brit. F. (London), A.M.I. Loco. E., Assistant Engineer (Inspection), Indian Stores Department, New Delhi, has been granted leave on average pay for three months with effect from the 9th December 1938.

J. S. PITKEATHLY,

Chief Controller of Stores.

SURVEY OF INDIA.

Geodetic Branch Office.

NOTIFICATION.

Dehra Dun, the 10th December 1938.

No. 6.—Mr. J. C. Ross, Extra Assistant Superintendent, Survey of India, is granted under the Fundamental Rules, leave on average pay for one month with effect from 3rd January 1939 with permission to prefix the X'mas and New Year's holidays from 24th December 1938 to 2nd January 1939.

E. O. WHEELER,
Lt.-Colonel, R.E.,
Director, Geodetic Branch,
Survey of India.

DEPARTMENT OF EXPLOSIVES.

NOTIFICATION.

Calcutta, the 7th December 1938.

No. E.-11 (1).—In this Department Notification No. E.-11 (1), dated 23rd July 1938 published on pages 1012—1018 of part II of the *Gazette of India*, dated 3rd September 1938, insert (a) "Polar Ammon Gelignite No. 2" "Polar Ammon Gelignite No. 3," below the entry "Polar Ammon Gelignite," (b) "Geobel" above the entry "Geobel No. 2," (c) "Geobel No. 3" below the entry "Geobel No. 2" and (d) "Nobel's Explosive No. 673" below the entry "Nobel Cordite" and delete the entry "Viking powder No. 2" from the list of explosives given under Class 3—Nitro Compound, Division I and substitute the entry "Nobel's Electric Delay Action Detonators" for the entry "Nobels' Electric Delay Action Detonators" in the list of explosives given under Class 6—Ammunition, Division 3.

G. PEACE, F.I.C., F.R.A.S.,
Chief Inspector of Explosives in India.

DIRECTOR GENERAL, INDIAN MEDICAL SERVICE.

NOTIFICATION.

New Delhi, the 14th December 1938.

No. 129-P.—The services of 1st Class Assistant Surgeon E. R. Hill, I.M.D., are replaced at the disposal of the Director of Medical Services in India with effect from the 23rd November 1938.

E. W. C. BRADFIELD,
Major-General, I.M.S.,
Director-General, I.M.S.

ROYAL INDIAN NAVY.

NOTIFICATION.

LEAVE.

New Delhi, the 12th December 1938.

No. 71.—Lieutenant-Commander M. H. St. L. Nott, O.B.E., R.I.N., is granted 18 months' absence from India from 3rd December 1938. The first 3 months will reckon as privilege leave and balance on private affairs, except time spent on instructional courses.

HERBERT FITZHERBERT,
Rear-Admiral,
Flag Officer Commanding,
Royal Indian Navy.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

New Delhi, the 13th December 1938.

No. S.-77/13.—Rai Sahib J. N. Dar, Deputy Postmaster-General, Punjab and N.-W. F. Circle, is granted leave on average pay for 15 days with effect from the 28th November 1938.

G. V. BEWOOR,
Director-General of Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 6th December 1938.

No. 16149-C. T./2E./6.—Mr. P. C. Dey, M.A. (Com.), Income-tax Officer, Railways and Miscellaneous Salaries Circle (on leave) is allowed on medical certificate under Fundamental Rule 81 (b) (ii) and the proviso thereunder and Fundamental Rule 81 (d) a further extension of leave for 4 months with effect from the 1st December, 1938, *viz.*, leave on average pay for 1 month and 22 days and the rest on half average pay in continuation of the leave granted in my order No. 9137-A./2E./6, dated the 27th August 1938.

A. C. TURNER,
Commissioner of Income-Tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATION.

Calcutta, the 8th December 1938.

No. A. E. 780/13.—Mr. D. D. Cruickshank, Assistant Executive Engineer has been appointed to officiate as Executive Engineer, Senior Scale, with effect from the 26th October 1938 forenoon.

J. A. BELL,

General Manager.

NORTH WESTERN RAILWAY.

NOTIFICATIONS.

Lahore, the 6th December 1938.

No. 122.—Mr. A. R. Azar, Assistant Executive Engineer, is granted leave on average pay for two days with effect from 5th December 1938.

No. 123.—Mr. H. R. Jennings, Junior Assistant Fuel, is granted leave (out of India) for 14 months, *viz.*, leave on average pay for 8 months and on half average pay for the remaining period with effect from 23rd January 1939 or subsequent date of relief.

Lahore, the 14th December 1938.

No. 124.—Mr. K. R. Rama Ayyar, officiating Deputy Chief Accounts Officer, is granted leave on average pay for 26 days with effect from 28th November 1938.

C. F. CARSON,

Colonel,

General Manager,

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 7th December 1938.

No. 21620-S./2256.—1. Mr. C. C. Penny, Assistant Transportation Superintendent, (Senior Scale) has been granted 7 months and 23 days combined leave (*viz.*, 3 months and 23 days privilege and the balance furlough on full pay) from 19th November 1938.

2. Mr. A. J. Fraser, Executive Bridge Engineer (Junior Scale), has been appointed to officiate in the Senior Scale from 13th November 1938.

3. Mr. P. N. Dubash, Assistant Engineer (Lower Gazetted Service) was granted 15 days leave on average pay from 13th November 1938.

4. Mr. A. Cartwright, Mechanical Engineer (Senior Scale) has been granted 6 months combined leave (*viz.*, 3 months and 12 days privilege and the balance furlough on half pay) from 2nd December 1938.

5. Mr. K. M. Rau, Assistant Electrical Engineer (Junior Scale) has been appointed to officiate as Electrical Engineer (Senior Scale) from 31st October 1938.

6. Mr. N. K. Warrior, Electrical Foreman, has been appointed to officiate as Assistant Electrical Engineer in the Lower Gazetted Service from 31st October 1938.

J. H. F. RAPER,

General Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, DECEMBER 24, 1938.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 22nd October 1938.

On and after the 22nd October 1938, and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

Notifications and other matters intended for publication in the *Gazette of India* should reach the Press not later than 4 P.M. on Thursdays. Exceptions may be allowed only in the case of matter of extraordinary urgency which cannot be held over for the next *Gazette* and which cannot be sent to the Press in time, provided it reaches the Press by 6 P.M. on Thursdays. In such cases, a notice, indicating the probable amount of space required and signed by an officer not below the rank of Assistant Secretary, must be given to the Manager of the Press before 4 P.M. on Thursdays. In the absence of such notice, all matter received after 4 P.M. on that day will be held over for publication in the next week's *Gazette*.

ANNUAL RATES OF SUBSCRIPTION.

	Including packing and Indian postage.			Additional postage for supplies out of India.		
	Rs.	A.	P.	Rs.	A.	P.
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Index to the *Gazette of India* is supplied free of charges to the subscribers according to the part or parts they subscribe to.

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A special price will be fixed for specially heavy issues of the *Gazette* or any particular Part.

Rules and Notifications issued under Legislative Acts and having the force of law may be obtained separately.

All subscriptions must be paid in advance.

A discount of 25 per cent. on the above rates is allowed to Central and all Provincial Governments.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 24th December 1938.

SPECIAL NOTICE.

The Bills for Ordinances, which were notified in Part II of the *Gazette of India*, dated the 26th November 1938, under the heading "Special Notice", have been enacted by the Government of Aden. The following extracts from the Ordinances are published for general information :—

Extract from the Registration of United Kingdom Patents Ordinance, 1938.

* * * * * *

"14. The Indian Patents and Designs Act, 1911, the Indian Patents and Designs (Amendment) Act, 1920, and the Indian Patents and Designs (Amendment) Act, 1930, so far as they relate to patents and so far as they are applicable to the Colony, are hereby repealed :

Provided that in relation to any patent granted in British India under the said Acts bearing date prior to the 1st April 1937, and in force at that date, the said Acts shall continue in force in the Colony as if this Ordinance had not been enacted, and the privileges and rights conferred by such patent shall continue in force in the Colony for so long as the patent remains in force in British India".

Extract from the United Kingdom Designs (Protection) Ordinance, 1938.

* * * * * *

"5. The Indian Patents and Designs Act, 1911, the Indian Patents and Designs (Amendment) Act, 1920, and the Indian Patents and Designs (Amendment) Act, 1930, so far as they relate to designs and so far as they are applicable to the Colony, are hereby repealed :

Provided that in relation to any design registered in British India under the said Acts as of a date prior to the 1st April 1937, the copyright in which was subsisting at that date, the said Acts shall continue in force in the Colony as if this Ordinance had not been enacted, and the copyright in any such design shall remain in force in the Colony for so long as the registration of the design remains in force in British India".

Copies of the Ordinances may be inspected free of charge at the Patent Office, No. 1, Council House Street, Calcutta.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

December 10, 1938.

25976. C. A. Kloppenburg. Improvements in and relating to the evaporation of liquors such as raw, partly clarified or clarified cane or beet root juices, palm tree sap, diluted molasses, distillery effluents and the like.

December 12.

25977. J. H. de Theulegoet. Improvements in or relating to the driving mechanism for bicycles and the like.

25978. The International Nickel Co. of Canada Ld. Improvements relating to the continuous casting of metals. (May 20, 1938).

25979. Wired Radio, Inc. Improvements in and relating to signalling system and receivers.

25980. Wired Radio, Inc. Improvements in and relating to signalling and receiving systems.

December 13.

25981. C. Bocca and D. Rudatis. Improvements in and relating to methods for obtaining coloured images in projection.

25982. G. H. B. Deck and W. R. Angus. Improvements in and relating to theatre chairs and the like.

December 14.

25983. Ruhrchemie Aktiengesellschaft. Method of producing catalysts. (November 8, 1938.)

25984. H. Greenfield. Process for the manufacture of denatured and coloured industrial sodium chloride.

25985. U. Finsterwalder. Ferro-concrete girder.

December 15.

25986. S. Perry. Improvements in devices for locking points and signals.

25987. J. W. Edwin. An improved water meter.

December 16.

25988. K. K. Godbole and V. S. Apte. Liquid containers with durable and non-rusty bottoms.

25989. Vereinigte Kugellagerfabriken Aktiengesellschaft. Drawing mechanism for textile machinery.

Alteration of Date.

(I)

25233. The claim to priority date 14th June 1937 has been abandoned and the application dated as of 16th May 1938, the date of filing in India.

(II)

25860. Ante-dated 3rd February 1938 under Section 5.

(III)

25861. Ante-dated 3rd February 1938 under Section 5.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24651. T. A. Mudaliar. Improvements in or relating to type fonts of telugu type castings used for printing purposes. *Type bodies of five sizes bearing to one another one of three definite proportions.*

24806. J. J. Munson. Improvements in and relating to rolling mills employing floating pressure rolls, particularly although not essentially to sugar cane mills. *A combined guide and bearing for constraining the journal at an end of the floating roll.*

24901. A. Ferretti. Improvements in or relating to the manufacture of artificial textile fibres. *Adding fermentation preventing substances to an alkaline solution of casein.*

25093. G. Ciocca. A steering device for vehicles for use on guide roadways. *Abutting members mounted on vehicle lie adjacent to side surfaces of roadway guiding means located intermediate the wheel tracks.*

25233. F. L. Smidth & Co. A/S. Improvements relating to the manufacture of cement. *Concentrate from flotation fraction dehydrated and mixed with part of the original coarse material.*

25257. H. Renck. Method for the production of chemical printing blocks. *Portions of block subjected to higher pressure are first finished, then surface of remaining portions is brought to lower level and finished.*

25258. H. Renck. Amalgam printing process. [Addition to No. 24388.] *Picture carrier is refreshed by amalgam film produced on separate roller running free from inking mechanism.*

25373. Naamlooze Vennootschap: Maatschappij tot Exploitatie van "ten Bosch Octrooien N. V." A method and an apparatus for imparting a given density to substances in powder form and for filling up limited spaces with controllable quantities of the said substances. *Cylinder and compacting plunger between outlet of centrifuging room and mould.*

25379. A. Loibl. Pedal reflector for cycles and the like. *Reflectors arranged on the longitudinal sides of the pedals and elastically protected against breakage.*

25441. The General Electric Co. Ld. Improvements in electrical resisters. (April 21, 1938). *Mixture of finely divided inorganic material and carbonaceous binder heated to 1200°C. in non-oxidising atmosphere.*

25458. A. Christiansen. Improvements in roses or perforated nozzles. *Two plates carry a number of pins passing through the perforations of the rose in any position of the plates.*

25460. Imperial Chemical Industries Ld. Improvements in or relating to the bleaching of textiles. (July 30, 1937). *Material treated with neutral hypochlorite solution containing alkaline earth carbonates followed by treatment with alkaline solution and an oxidising bleaching agent.*

25547. Elgeners. Appliances for playing an interesting game. *Square board with two holes along each side, triangular space at corner, lines parallel to sides, circle at centre, scoring charts, and discs.*

25620. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff, (Hanomag). A method for operating air-compressing four stroke cycle internal combustion engines for dust fuel. *Creation of high vacuum to admit dust fuel, followed by admission of air.*

25653. Sierra Leone Development Co. Ld. Improvements in ore and like concentrators. (October 27, 1937). *The charging of one sluice box effected by the weight of the concentrate in a discharging sluice.*

25654. Marconi's Wireless Telegraph Co. Ld. Improvements in radio and like receivers. (September 4, 1937). *An ASC system and an AFC system interlinked to tune away from interfering transmission.*

25659. W. T. Henley's Telegraph Works Co. Ld. Improvements in or relating to insulated electric conduetors. *Composite dielectric comprising vulcanized rubber and fire-resistant covering.*

25673. G. Bradshaw. Improvements in or relating to screw-driving tools. (September 13, 1937). *Clutch element and screw coupling element engaging complementary screw parts and two relatively movable members with cam, guide or like.*

25683. Kailash Narayan. Improvements in and relating to hydraulic cement and its manufacture. *Mixing cement with silica dust.*

25685. Valsts Elektrotechniska Fabrika. Improvements in photographic apparatus. (December 2, 1937). *Tensioning of the shutter and the feeding of the film effected by the reciprocating movement of two bodies.*

25706. International General Electric Co. of New York, Ltd. Improvements in or relating to methods of treating electric lamp bulbs. *Inside frosted bulb is washed after etching with fluid having high affinity for alkalis.*

25707. The Yorkshire Copper Works Ld., and K. Fraser. Improvements in or relating to connecting means for pipes or tubes. *Capillary joint fitting having one or more rings to form capillary spaces between tube, ring and fitting.*

25860. A. Ferretti. Improvements in or relating to the manufacture of artificial textile fibres. [Antedated February 3, 1938.] *Coagulation bath of density above 1·18 and sulphuric acid content above 25 grams per litre.*

25861. A. Ferretti. Improvements in or relating to the manufacture of artificial textile fibres. [Antedated February 3, 1938.] *Temperature of the treating bath of the threads greater than 25° C.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

24302. I. G. Farbenindustrie Aktiengesellschaft.
24314. I. G. Farbenindustrie Aktiengesellschaft.
24355. V. G. Lava.
24532. Phillips.
24574. K. B. Chishty & Sons.
24590. Asa Singh.
24620. Nagina Foundry.
24662. Pereira.
24701. Blackwell and Turner.
24791. Telefunken Gesellschaft Fur Drahtlose. Telegraphie m. b. H.
24828. Non-Drip Measure Co. Ld., Berwick and Berwick.
24881. N. V. Handelmaatschappij " Helga ".
24907. Mountstephen, Wood and Spence.
24917. Marconi's Wireless Telegraph Co., Ld.
25009. Mefina S. A.
25039. Debor and Debor.
25084. John Thompson (Kennicott Water Softeners) Ld.
25091. Ricardo.
25115. Wellesley Holdings, Ld.
25152. N. V. De Bataafsche Petroleum Maatschappij.
25186. Holker.
25197. Australian Glass Manufacturers Co. Ld.
25199. Guest, Keen, Williams Ld.
25238. Kennedy.
25273. Metallgesellschaft Aktiengesellschaft.
25278. The Indian Hume Pipe Co., Ld.
25288. The General Electric Co., Ld.
25327. Gesellschaft fur nautische und tiefbohrtechnische Instrumente mit beschraenkter Haftung and Professor Dr. Martienssen.
25337. Mrs. Gill.
25360. N. V. Octrooien Maatschappij " Activit."
25362. Marconi's Wireless Telegraph Co., Ld.
25366. Houdry Process Corporation.
25374. Rai.
25382. Lock Joint Pipe Co.
25385. Automatic Telephone & Electric Co. Ld.
25395. The Amplilux Lighting and Illumination Co. Ld.
25406. Nippon Filmon Kabusiki Kaisya.
25407. Nippon Filmon Kabusiki Kaisya.
25409. Epeda-Werke Rudolf Platte.
25424. Textile Appliances Ld.
25438. Daeves, Becker and Steinberg.
25442. The Mirrlees Watson Co. Ld., and Bach.
25443. The Mirrlees Watson Co. Ld. and Bach.
25444. The Mirrlees Watson Co. Ld., and Bach.
25445. The Mirrlees Watson Co. Ld., and Bach.
25446. The Mirrlees Watson Co. Ld., and Bach.
25452. Marconi's Wireless Telegraph Co., Ld.
25459. Kalle & Co. Aktiengesellschaft.
25463. The General Electric Co. Ld.
25469. The General Electric Co. Ld.
25473. Pilkington Brothers Ld.
25488. Stewarts and Lloyds, Ld.
25490. Roberts.
25503. Turner & Newall, Ld.
25636. Mrs. Gill.
25689. I. G. Farbenindustrie Aktiengesellschaft.
25690. I. G. Farbenindustrie Aktiengesellschaft.
25842. I. G. Farbenindustrie Aktiengesellschaft.
25843. I. G. Farbenindustrie Aktiengesellschaft.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30 should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

24099. Rao.
24303. Casas-Robert.
24305. Casas-Robert.
24593. Kolb.
24634. F. Perkins Ld.
24749. Marsoni.
24776. Laird.
24778. The Buell Combustion Co. Ld.
24855. Uldall.
24998. Mushtaq Ali Khan.
25054. Automatic Telephone and Electric Co. Ld.
25063. Dr. Rami.
25102. Baer.
25118. Salerni.
25332. Casas-Robert.
25361. Research Corporation.

Patents Sealed.

23937. The General Electric Co. Ld.
24052. The Indian Hume Pipe Co. Ld.
24075. The General Electric Co. Ld.
24135. Mistry Mohd. Din.
24162. The General Electric Co. Ld.
24205. James Mackie & Sons Ld.
24224. Filtration & Water Softening Proprietary Ld.
24237. Filtration & Water Softening Proprietary Ld.
24242. Nier.
24257. Standard Telephones & Cables Ld.
24283. Expanded Rubber Co. Ld.
24286. Carkontrol Proprietary Ld.
24363. The General Electric Co. Ld.
24372. I. G. Farbenindustrie Aktiengesellschaft.
24385. Vogel-Jorgensen.
24400. The P. & M. Co. (England) Ld.
24645. James F. Low & Co. Ld., and Lambert.
24653. The Thermolux Glass Co. Ld.
24704. The General Electric Co., Ld.
24723. Allmanna Svenska Elektriska Aktiebolaget
24743. Beyer.
24761. Marconi's Wireless Telegraph Co. Ld.
24793. Ehrich & Graetz Aktiengesellschaft.
24873. The British Tabulating Machine Co., Ld.
24893. Monotype Machine (Colonial Patents) Syndicate Ld.
24947. The General Electric Co. Ld.
24989. The British Ropeway Engineering Co. Ld.
25024. Stroher.
25028. Vercruysse and Vercruysse.
25052. Seip.

25095. Fichtel & Sachs Aktiengesellschaft.
25250. National Carbon Co. Inc.
25251. National Carbon Co. Inc.
25386. Marconi's Wireless Telegraph Co., Ld.

Amendment Proceedings.

24525. In pursuance of leave granted on the 14th December 1938, the above-numbered specification has been amended in the manner set forth in Part II of the *Gazette of India*, dated the 27th August 1938.

Registration of Assignments, Licences, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

Nos. 22325 and 24033. Diagrid Structures Ld.

Renewal Fees Paid.

PATENTS.

9943. Marconi's Wireless Telegraph Co. Ld. (To 2nd January 1940).
11011. Vitapack Corporation. (To 26th January 1940).
12046. The Metropolitan Carriage, Wagon and Finance Co., Ld., and anr. (To 8th February 1940).
13021. Auto-Strop Patents Corporation. (To 28th February 1940).
13592. Auto-Strop Patents Corporation. (To 28th February 1940).
13905. Wood. (To 3rd January 1940).
14768. The Stirling Boiler Co., Ld. (To 25th January 1940).
15264. Gas Accumulator Co. (United Kingdom) Ld., and anr. (To 14th January 1940).
15354. Standard Telephones and Cables Ld. (To 11th February 1940).
15414. Wrightson and anr. (To 25th February 1940).
16444. Standard Telephones and Cables Ld. (To 14th February 1940).
16643. G. H. Sheffield & Co. (Engineers) Ld. (To 9th February 1940).
16693. "Eternit" Pietra Artificiale Societa' Anonima. (To 6th February 1940).
17002. Thompson. (To 24th March 1940).
17713. Beyer Peacock & Co. Ld. (To 19th January 1940).
17735. The Whitecross Co. Ld. (To 8th February 1940).
17742. "Eternit" Pietra Artificiale Societa' Anonima. (To 6th February 1940).
17907. Fison, Packard & Prentice Ld., and ors. (To 28th March 1940).
18582. Sashalite Ld. (To 21st December 1939).
18629. Braithwaite & Co. Engineers Ld. (To 4th January 1940).
18691. John Levick Ld., and anr. (To 25th January 1940).
18692. John Levick Ld., and anr. (To 25th January 1940).
18707. Harvey. (To 1st February 1940).
19389. Harrap and anr. (To 19th February 1940).
19407. Sashalite Ld. (To 21st December 1939).
19510. Clark. (To 20th December 1939).
19532. Elektrotechnische Fabrik Schmidt & Co. G. m. b. H. (To 3rd January 1940).
19560. Ewing. (To 9th January 1940).
20077. Wynn-Williams. (To 8th February 1940).
20412. Leslie. (To 19th December 1939).
20453. Liesen & Co. (To 12th December 1939).
20507. Herrmann. (To 2nd January 1940).
20510. Marshall. (To 2nd January 1940).
21420. John Kleinewefers Söhne. (To 3rd December 1939).
21440. Barnes. (To 14th December 1939).
21476. Sharma. (To 19th December 1939).
21529. Syndergaard. (To 9th January 1940).
21671. Vultex Ld. (To 23rd February 1940).
22223. Joos. (To 2nd January 1940).

Cessation of Patents.

10613. Andrew.
11659. Pehrson and anr.
12579. McCallum and anr.
13526. Marconi's Wireless Telegraph Co. Ld.
16235. Brownlie and anr.
18330. Hayes-Gratze.
18343. Ruch.
18360. The Koppers Co. of Delaware (altered to Koppers Associates, Inc.).
18799. Dahms and anr.
19173. Knibbs.
20226. Weber.
20234. Saidmann.
21162. Salim Uddin.
21167. Asa Singh.
21172. Captain MacGregor and ors.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under section 78-A of the Act is shown in crescent brackets :—

Class 1. No. 63852. Ganga Charan Roy, of 32, Garanhata Street, Calcutta. September 26, 1938.

Class 3. Nos. 63980 and 63981. Sheikh Hakam Din, Proprietor of S. Hakam Din Abdul Rashid, of Mianpura, Sialkot, Punjab. November 15, 1938.

Class 5. No. 63882. Bell Punch Co. Ld., of 39, St. James's Street, London, S. W. 1., England. October 14, 1938.

Class 13. Nos. 64005 to 64020. The Bombay Dyeing & Manufacturing Co. Ld. of "Neville House", Graham Road, Ballard Estate, Bombay, British India. November 26, 1938.

Class 13. Nos. 64028 to 64030. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. November 28, 1938.

Class 13. No. 64039. Toyo Menka Kaisha Ld., of No. 5, Royal Exchange Place, Calcutta, British India. November 29, 1938.

Class 13. Nos. 64043 to 64045. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. December 3, 1938.

Class 14. Nos. 63843 to 63846. The Mafatlal Fine Spg. & Mfg. Co. Ld., of Navsari, Baroda State. September 24, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a third period of five years from the expiration of the second period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 13. No. 39537. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. February 11, 1929.

Class 13. No. 39585. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. February 18, 1929.

Class 13. No. 40108. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. March 11, 1929.

Class 13. No. 40324. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. March 18, 1929.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 13. Nos. 57759 and 57761. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. February 7, 1934.

Class 13. No. 57792. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. February 16, 1934.

Class 13. No. 57876. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. March 7, 1934.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays ;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE . . .	Indian Institute of Science.
Do. . . .	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA . . .	Department of Commerce and Industries.
BERLIN . . .	The Reich Patent Office.
BOMBAY . . .	Office of the Director of Industries.
CALCUTTA . . .	Patent Office, No. 1, Council House Street.
CAWNPORE . .	Harcourt Butler Technological Institute.
DACCA . . .	Sadar Registration Office.
DELHI . . .	Office of the Superintendent of Industries.
LAHORE . . .	Punjab Public Library.
LUCKNOW . . .	Amiruddaula Public Library
MADRAS . . .	Record Office, Egmore
Do. . .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON . .	Office of the Chief Secretary, Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.) . .	The Patent Office.

B.—Where publications other than printed specifications are available :—

LONDON . . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

CURRENCY NOTES.

NOTICES.

Rangoon, the 10th December 1938.

Portions of the following note of the Rangoon Office of Issue is stated to have been destroyed and an application for payment of its value has been received from the person whose name is shown against the number. Any other person who considers himself as having a right to it is warned to communicate at once with the undersigned.

Register No.	Note No.	Value.	Name and address of the applicant.
		Rs.	
W-8 of 1938-39	T/1-733170	100	Ram Dayal, Licensed Stamp Vendor, Collector's Court Compound, Fyzabad (U. P.).

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, RANGOON.

P. S. V. NAMBI, Currency Officer.

Calcutta, the 14th December 1938.

Portions of the following notes of the Calcutta Office of Issue are stated to have been destroyed and an application for payment of their value has been received from the person/parties whose names are shown against the number(s). Any other person/party who consider(s) himself/themselves as having a right to them is/are warned to communicate at once with the undersigned.

Register No.	Note No.	Value.	Name and address of the applicant.
		Rs.	
W.D./26 of 1938.	T/21-294897	100	Kala Khan Abdul Ghani, Meat Contractors, 1/5th Royal Gurkhas, Abbottabad, N.-W. F. Province.
W.D./27 of 1938.	T/33-192051	100	The Imperial Engineering Co., Kalpi Road, Cawnpore.
	T/33-177394	100	

RESERVE BANK OF INDIA, ISSUE DEPARTMENT, CALCUTTA.

P. K. BASU, Currency Officer.

Bombay, the 17th/19th December 1938.

Portion of the following note of the Bombay Office of Issue is stated to have been destroyed, and payment of its value has been claimed by the person whose name is placed against the number. Any other person claiming a right to it is warned to communicate at once with the undersigned.

Register No.	Number of Note.	Value.	Name of claimant.
		Rs.	
D/27 of 1938	T/23-596402	100	Babu Baliram Sahu, Proprietor, Lohardagga-Daltongunj Motor Service, P. O. Daltongunj, District Palamau (Palamau).

V. G. DESHMUKH,

Currency Officer.

RESERVE BANK OF INDIA,

ISSUE DEPARTMENT, BOMBAY.

OFFICE OF THE ACCOUNTANT GENERAL, CENTRAL REVENUES.

The following is a statement of the cash balances of the Central Government on the last day of November 1938 :—

	Rs.
(1) At the Reserve Bank of India in India	7,27,65,000
(2) At treasuries in India . .	16,04,000
(3) In England (Sterling converted at 18*d*. the Rupee) . .	79,63,000
TOTAL .	8,23,32,000

NEW DELHI; The 17th December 1938.

A. C. GUPTA, Accountant General, Central Revenues.

CENTRAL PUBLIC WORKS DEPARTMENT.

NOTIFICATION.

New Delhi, the 17th December 1938.

No. 090-E.—Mr. Wazir Dial, Assistant Executive Engineer, attached to the Services Division, New Delhi, was granted leave on average pay in India for 4 months with effect from the afternoon of the 15th November 1938.

F. T. JONES,

Chief Engineer.

SURVEY OF INDIA.

Surveyor General's Office.

NOTIFICATION.

Calcutta, the 16th December 1938.

No. 1655.—Lieutenant R. A. Gardiner, R.E., Assistant Superintendent, is granted under the Fundamental Rules leave on average pay for 15 days with effect from the 12th December 1938.

C. G. LEWIS, Brigadier,

Surveyor General of India.

DEPARTMENT OF EXPLOSIVES.

ERRATUM.

Calcutta, the 15th December 1938.

No. G.-15 (17)-1.—In line 7 of this Department's Notification No. G.-15 (16)-1/G.-15 (17)-1, dated the 30th November 1938, published on page 1328 of Part II of the *Gazette of India*, dated the 10th December 1938, for "18th October 1937" read "19th October 1937".

NOTIFICATION.

Calcutta, the 17th December 1938.

No. E.-11 (1).—In this Department Notification No. E.-11 (1) dated the 23rd July 1938, published on pages 1012—1018 of Part II of the *Gazette of India*, dated the 3rd September 1938, insert "Electric Boosters" provided on arrival in India the packages are marked "Not to be stored in or transported with other explosives" above the entry "Electric Detonators" in the list of Explosives given under Class 6—Ammunition, Division 3.

G. PEACE,

Chief Inspector of Explosives in India.

INTELLIGENCE BUREAU, HOME DEPARTMENT.

GOVERNMENT OF INDIA.

NOTIFICATION.

New Delhi, the 17th December 1938.

No. 46/Ests./36.—Rai Sahib Jagdish Chandra Dutta, Deputy Central Intelligence Officer, Shillong, is granted leave on average pay for one month and fifteen days with effect from the 10th January, 1939.

P. C. BAMFORD,

for Director.

OFFICE OF THE INSPECTOR GENERAL OF FORESTS.

NOTIFICATION.

P. O. New Forest (Dehra Dun), the 20th December 1938.

No. 1490.—Mr. A. H. Khan, Assistant Botanist, Forest Research Institute, Dehra Dun, is granted leave on average pay for 12 days with effect from the 12th December, 1938, with permission to prefix Sunday, the 11th December, 1938, and to affix the Christmas and the New Year's day holidays from the 24th December, 1938 to the 2nd January, 1939 (both days inclusive) to his leave.

L. MASON,

Inspector General of Forests.

IMPERIAL VETERINARY RESEARCH INSTITUTE, MUKTESWAR.

NOTIFICATION.

Mukteswar, the 16th December 1938.

No. C./550.—Mr. D. A. Munro, G.C.V.C., Head Laboratory Assistant, Mukteswar, is granted leave on average pay for four months from the 7th December, 1938 to the 6th April, 1939, with permission to affix thereto the gazetted holidays on account of Easter from the 7th to the 10th April, 1939.

Mr. J. A. Idnani, G.B.V.C., is appointed to officiate as Head Laboratory Assistant, Mukteswar, from the 9th December, 1938, *vice* Mr. Munro.

J. R. HADDOW,

Offg. Director

Imperial Veterinary Research Institute,

Mukteswar.

IMPERIAL LIBRARY.

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K. M. ASADULLAH,
Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

A Registry Office for men of the undermentioned grade is maintained by the Principal, Thomason College, Roorkee. Officers and employers of labour requiring men are requested to apply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

INDIAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 24th December 1938.

A Registry Office for technically qualified men of the undermentioned description is maintained in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal.
Indian School of Mines

GOVERNMENT OF INDIA.

DEPARTMENT OF MINES.

NOTIFICATION.

Dhanbad, the 16th December 1938.

No. 17579-G.—Mr. Gurbachan Singh Jabbi, Assistant Inspector of Mines, has been granted earned leave for 19 days combined with leave on medical certificate for 21 days with effect from the 8th November 1938.

W. KIRBY,
Chief Inspector of Mines in India.

INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

NOTIFICATION.

New Delhi, the 19th December 1938.

No. S.-109/3.—Mr. O. R. Stanislaus, Deputy Assistant Electrical Engineer, Grade A, is appointed substantively as Assistant Electrical Engineer with effect from the 8th October 1938.

Mr. E. L. Brown, Deputy Assistant Electrical Engineer, Grade B, is appointed substantively as Deputy Assistant Electrical Engineer, Grade A, with effect from the 8th October 1938.

Mr. H. F. Daruwala and Mr. T. F. D'Rozario, Electrical Supervisors, are appointed as Deputy Assistant Electrical Engineers, Grade B, on probation for one year with effect from the 27th October 1938.

G. V. BEWOOR,
Director-General of Posts and Telegraphs.

INCOME-TAX DEPARTMENT, BENGAL.

ORDER.

Calcutta, the 10th December 1938.

No. 16350-C. T./2-E./53.—Mr. N. K. Banerjee, M.A., Additional Income-tax Officer, District IV (2), Calcutta, is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 1 month and 12 days with effect from the 3rd January, 1939 with permission to prefix the X'Mas and New Year's day holidays from the 24th December, 1938 to the 1st January, 1939 and the public holiday on the 2nd January, 1939 to the leave.

A. C. TURNER,
Commissioner of Income-tax, Bengal.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the creditors in column 3 of the debtors in column 4 on dates given in column 1, orders of adjudication in insolvency against the said debtors were made by the High Court of Judicature at Madras on the dates given in the last column.

Date of filing. 1	No. of petition. 2	Name of the petitioning creditor. 3	Name and address of the insolvent. 4	Date of adjudication. 5
28th October 1938.	276 of 1938.	M. A. Srinivasa Iyengar and M. A. Srirangammal.	A. Watkins and Mrs. Smaller, carrying on Hotel Business and residing at 8, Graemes Road, Mungambakkan, Madras.	7th November 1938.
24th September 1938.	248 of 1938.	Achutan Naidu	R. S. Chidambaram Chetty and R. S. Sambasivan Chetty, carrying on business under the name and style of the General Products Co., Broadway, Madras, and residing at 149, Thambu Chetty Street, G. T., Madras.	
26th September 1938.	249 of 1938.	1. K. Azimuddin Saheb . . 2. K. Mohamed Ghouse Saheb .	(1) Abdul Lateef, (2) M. Abdul Khudus, (3) M. Abdul Azeez and (4) P. Abdul Razaack, carrying on business in the name of M. A. Abdul Khudus Saheb & Co., and M. A. Abdul Azeez Saheb & Co. and in the name of P. Abdul Razaack Saheb & Co., the 1st Partner carries on business in skins at Katpadi, the 2nd at Ambur, the 3rd in Peedur, and the 4th in Vaniambadi, respectively.	(1), (2) & (4) on 17th October 1938 and (3) on 25th October 1938.

R. JAYARAM,
First Asstt. Registrar.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 12th December 1938.

IN THE HIGH COURT OF JUDICATURE AT MADRAS.

In Insolvency.

Notice is hereby given that on petitions presented by the undermentioned debtors on dates given in column 1, orders of adjudication in Insolvency were made against them by the High Court of Judicature at Madras on dates given in the last column.

Date of filing. 1	No. of petition. 2	Name and address of the insolvent. 3	Date of adjudication. 4
14th November 1938.	288 of 1938.	B. Seethapathy Raja, a retired Bill Collector in the Imperial Bank of India, Ltd., Madras, residing at 59, Patel Road, Purambur, Madras.	15th November 1938.

R. JAYARAM,
First Asstt. Registrar.

INSOLVENCY OFFICE, HIGH COURT, MADRAS;
The 12th December 1938.

CENTRAL BOILERS BOARD.

NOTIFICATION.

New Delhi, the 22nd December 1938.

No. A.-907.—The following draft of certain amendments to the Indian Boiler Regulations, 1924, which the Central Boilers Board proposes to make in exercise of the powers conferred by section 28 of the Indian Boilers Act, 1923 (V of 1923), is published, as required by sub-section (*1*) of section 31 of the said Act, for the information of all persons likely to be affected thereby, and notice is hereby given that the draft will be taken into consideration on or after the 20th March 1939.

Any objection or suggestion which may be received from any person in respect of the said draft before the date specified will be considered by the Central Boilers Board. Such objections or suggestions should be addressed to the Secretary, Central Boilers Board, c/o Labour Department, Government of India, New Delhi.

Draft amendments.

In Form V of the said Regulations—

(i) for the bracket and words "Registry No. ", there shall be substituted the brackets and words "(Registry No. and in the case of vertical boilers the total heating surface)", and

(ii) in the counterfoil under "Pressure permitted" the words "In the case of vertical boilers the total heating surface " shall be added.

C. M. KER,

Secretary,

Central Boilers Board.

MILITARY ACCOUNTS DEPARTMENT.

NOTIFICATIONS.

New Delhi, the 21st December 1938.

No. 1-An.—The undermentioned accountants in the office of the Controller of Military Accounts, Eastern Command, have been appointed to officiate as Deputy Assistant Controllers of Military Accounts in that office with effect from the dates shown against them:—

Mr. S. K. Chatterjee	14th November 1938 (forenoon).
Mr. H. B. Chatterjee	22nd November 1938 (forenoon).

No. 2-An (a).—The undermentioned Deputy Assistant Controllers of Military Accounts in the office of the Controller of Military Accounts, Northern Command, have been granted leave as shown against their names:—

Mr. S. A. Seshagiri Aiyar	Combined leave on medical certificate for 2 months and 27 days with effect from the 11th October 1938 consisting of privilege leave for one month and 10 days and furlough on average salary for the remaining period.
Mr. A. F. Gonsalves	Privilege leave for three months and 15 days with effect from the 3rd January 1939 with permission to prefix thereto the Christmas and New Year's holidays from the 24th December 1938 to the 2nd January 1939.

No. 2-An. (b).—The undermentioned accountants in the office of the Controller of Military Accounts, Northern Command, have been appointed to officiate as Deputy Assistant Controllers of Military Accounts in that office with effect from the dates as shown against their names:—

Mr. A. K. Patra—23rd November 1938 (forenoon).

Mr. Shiv Ram Kakar—28th November 1938, (forenoon).

No. 4-An.—In continuation of the leave granted to him in this Department Notification No. 4-An. (a), dated the 17th October 1938, Mr. Ghulam Rasul, Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts and Pensions, has been granted a further extension of leave on medical certificate for the period from the 27th October 1938 to the 23rd December 1938, consisting of privilege leave for one day and the remainder furlough on full average salary. He is permitted to affix the Christmas and New Year's holidays from the 24th December 1938 to the 2nd January 1939 to this leave.

No. 6-An. (a).—Khan Sahib Mohd. Yakub, Deputy Assistant Controller of Army Factory Accounts, Harness and Saddlery Factory, Cawnpore, has been granted combined leave *ex-India* for 4 months and 26 days with effect from the 5th December 1938 consisting of privilege leave for one month and 5 days and furlough on full average salary for the remaining period. He is permitted to prefix Sunday, the 4th December 1938, to this leave.

No. 6-An. (b).—Mr. T. O'Brien, an Accountant in the office of the Deputy Assistant Controller of Army Factory Accounts, Harness and Saddlery Factory, Cawnpore, has been appointed to officiate as Deputy Assistant Controller of Army Factory Accounts in that office with effect from the 5th December 1938.

New Delhi, the 22nd December 1938.

No. 1-An.—Mr. Y. L. Dighe, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Eastern Command, has been granted privilege leave for one month and 4 days with effect from

the 3rd January 1939 with permission to prefix thereto the Christmas and New Year's day holidays from the 24th December 1938 to the 2nd January 1939.

No. 2-An.—*Corrigendum*.—In this Department Notification No. 2-An., dated the 28th November 1938, published in the *Gazette of India*, Part II, dated the 3rd December 1938, the periods of privilege leave and furlough on half average salary should read as follows:—

Privilege leave—From the 6th November 1938 to the 9th November 1938.

Furlough on half average salary—From the 10th November 1938 to the 31st January 1939.

No. 5-An.—Mr. B. R. Mugalkhod, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Southern Command, has been granted combined leave on medical certificate for 2 months with effect from the 1st December 1938, consisting of privilege leave for 17 days and furlough on full average salary for the remaining period.

No. 5-An.—Rao Sahib S. S. Puranik, a Deputy Assistant Controller of Military Accounts in the office of the Controller of Military Accounts, Southern Command, is granted privilege leave for one month with effect from the 3rd January 1939.

M. R. COBURN,

Military Accountant General.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 14th December 1938.

No. A. E.-1998.—Mr. C. L. Pasricha, Assistant Electrical Engineer (Junior Scale), on probation at present employed on the East Indian Railway, is confirmed in his appointment with effect from the 12th December 1938.

Calcutta, the 15th December 1938.

No. E. P.-438/II.—Mr. A. G. Stavridi, Executive Engineer, has been granted privilege leave for 102 days combined with furlough on half pay for 8 months and 5 days to Europe with effect from the 13th November 1938.

This cancels Notification No. E. P./438/II, dated the 9th November 1938, published in the *Gazette of India*, Part II, dated the 19th November 1938.

No. E. P.-446.—Mr. J. M. Fenton, Executive Engineer, has been granted privilege leave for 95 days combined with study leave on half pay for 3 months and furlough on half pay for 3 months and 28 days to Europe with effect from the 26th October 1938.

This cancels Notification No. E. P.-446, dated the 19th October 1938, (published in the *Gazette of India*, Part II, dated 29th October 1938.

Calcutta, the 16th December 1938.

No. A. E.-2134/Prom.-4-1.—The following senior scale officers of the Transportation (Traffic) and Commercial Departments of the Superior Revenue Establishment, East Indian Railway, holding provisional rank are hereby confirmed permanently with effect from the dates noted against each:—

Name.	Date of permanent promotion of the Senior Scale.
Khan Bahadur M. A. Rashid.	1st December 1937.
Mr W. F. B. Higman .	8th July 1938.

This cancels Notification No. A. E.-2134-Prom./4, dated the 24th September 1938, published in the *Gazette of India*, Part II, dated the 1st October 1938.

No. A. E.-2134/Prom.-4-2.—The dates of provisional confirmation of the following officers in the senior scale of the Transportation (Traffic) and Commercial Departments have been altered as noted against each:—

Name.	Date of provisional confirmation in the Senior Scale.	
	From	To
Mr. B. N. Ghosh	2nd February 1938.	2nd January 1938.
Mr. K. Bathgate	15th March 1938.	2nd February 1938.
Mr. A. G. Khan	8th July 1938 .	15th March 1938.

No. A. E.-2134/Prom.-4-3.—Mr. S. P. Chowdhury, Superintendent, Junior Scale, Transportation (Traffic) and Commercial Department of the Superior Revenue Establishment, East Indian Railway, is promoted to the senior scale provisionally with effiect from the 8th July 1938.

Calcutta, the 17th December 1938.

No. 44/21.—Mr. E. G. E. Paddon, District Electrical Engineer, senior scale, was granted 101 days' privilege leave combined with 2 months' furlough on full pay and 3 months and 24 days' furlough on half pay with effect from the 4th February 1938 to the 8th November 1938.

This cancels this office Notification No. 44/21, dated the 28th January 1938.

No. E. P.-346/II.—Mr. J. A. Meneze, District Signal Engineer, has been granted leave on average pay for one month with effect from the 6th November 1938.

J. A. BELL,

General Manager.

EASTERN BENGAL RAILWAY.

NOTIFICATION.

Calcutta, the 12th December 1938.

No. 35.—Mr. S. K. Mukherjee, Assistant District Traffic Superintendent, is granted leave on average pay for 4 months with effect from the 12th December 1938.

L. W. VAN SOMEREN,

Traffic Manager.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 15th December 1938.

No. 125.—Mr. Daya Chand, Assistant Executive Engineer, is granted an extension of leave on average pay for one month with effect from 11th December 1938, in continuation of the leave already granted under this office Notification No. 104, dated 4th October 1938.

C. F. CARSON,

Colonel,

General Manager.

REGISTERED No. L. 3131.

The Gazette of India

NEW DELHI, SATURDAY, DECEMBER 31, 1938.

Separate passing is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Indian State Railways, etc.

NOTICE.

The 22nd October 1938.

On and after the 22nd October 1938, and until further notice, Parts I, I-A, II, II-A, III, IV, V and Supplement to the *Gazette of India* will be published in New Delhi. Notifications intended for publication in those parts with the exception of Part III should be addressed to the Manager, Government of India Press, New Delhi. Advertisements, Notices, etc., for publication in Part III should be sent to the Manager of Publications, Civil Lines, Delhi.

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E. V. GREGORY,
Manager of Publications.

THE PATENT OFFICE.

PATENTS AND DESIGNS.

Calcutta, the 31st December 1938.

SPECIAL NOTICE.

There will be no notification on the 7th January 1939.

Applications for Patents.

The dates shown in crescent brackets are the dates claimed under section 78-A of the Act.

December 17, 1938.

25990. The Sparling Patent Lock Works. An improved lock for gates or the like.

25991. British Insulated Cables, Ld. Improvements in electric insulated wires and cables. (December 18, 1937).

December 19.

25992. T. O. D. Jansen. Improvements in flat roofing tiles.

25993. The Buell Combustion Co., Ld. Improvements in and relating to dust collecting plant.

25994. Lane-Wells Co. Electrical surveying in drill holes.

25995. W. Fraser. Improvements in hydraulic couplings. (December 29, 1937).

25996. I. G. Farbenindustrie Aktiengesellschaft. Manufacture of 3-hydroxy-4-carbaminobenzene-1-arsonic acid. (January 27, 1938).

25997. I. G. Farbenindustrie Aktiengesellschaft. Improvements in bleaching cellulose fibres. (February 14, 1938).

25998. The British Steel Piling Co., Ld., and A. Hiley. Improvements in and relating to tube couplings and method of use in testing resistance of ground. (December 31, 1937).

25999. A. Hiley and The British Steel Piling Co., Ld. Improved method of and means for forming concrete piles. (May 24, 1938).

26000. C. W. Cheney & Son, Ld., and C. W. Cheney. Improvements in slidable bolt fastenings for attache and suit cases and the like.

26001. Marconi's Wireless Telegraph Co., Ld. Improvements in or relating to electron discharge devices. (February 17, 1938).

26002. Casablancas High Draft Co., Ld., and F. Casablancas. Improvements in or relating to mechanisms for drawing textile rovings. (November 4, 1938).

26003. "Sachtleben" Aktiengesellschaft Fur Bergbau Und Chemische Industrie. Process for desulphurising iron or iron alloys. (July 4, 1938).

26004. Universal Oil Products Co. Process for the manufacture and use of catalysts for the conversion of hydrocarbon oils.

December 20.

26005. A. Vishwanath. Improved compression ignition internal combustion engine.

26006. Shri Dhar. Improvements in or relating to the polishing of bangles and the like.

26007. Shri Dhar. Improved process for glass bangles.

26008. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). Improvements relating to an internal combustion piston engine.

26009. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). A method for operating dust-fuelled engines.

26010. Hannoversche Maschinenbau-Actien-Gesell schaft vormals Georg Egestorff (Hanomag). Improvements in admission chamber-internal combustion engine.

December 21.

26011. G. P. Chaliha. Improvements in or relating to a manner of and apparatus for withering tea leaf.

December 22.

26012. W. B. Garden. Improvements in black boards and the like.

26013. F. P. Talati. Improvements in or relating to drip catching attachments for brushes, ink-pen holders and like articles.

26014. Maschinenfabrik und Eisengiesserei A. Beien. Improvements in blower refuse machine.

26015. P. H. Wilson and The Stanton Ironworks Co., Ld. Improvements relating to pipe joints. (February 19, 1938).

26016. Callender's Cable & Construction Co., Ld. Improvements relating to waterproof coating compositions and to their method of application. (December 23, 1937).

26017. British Insulated Cables, Ld. An improved electric cable. (December 23, 1937).

December 23.

26018. C. R. Jones. A rust preventative and process of making same.

26019. G. W. Ruparel. Improved advertising means.

26020. British Insulated Cables, Ld. Improvements relating to polystyrene compositions. (December 24, 1937).

26021. Dr. B. A. Lamprell. Improvements in or relating to bore-hole latrines.

26022. The Laterite Syndicate, Ld. Improved process of and apparatus for manufacturing high alumina cement.

Applications Accepted.

Notice is hereby given that all persons interested in opposing the grant of a patent on any one of the applications, referred to below, may, at any time within four months of the date of this *Gazette of India*, give notice at the Patent Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, about six weeks later.

The price of each specification is Re. 1 (postage extra). Requisitions for the supply of printed specifications should be accompanied by the numbers of the specifications.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

24425. C. Skelton. Improvements in or relating to wheeled vehicles for use on roads or alternatively upon prepared tracks with guide rails. *At each end a flanged steering wheel being mechanically connected to the adjacent pair of road wheels.*

24773. S. A. Siddiqi. Sanitary latrine. *Treatment of sewage by anaerobic and aerobic bacteria in two consecutive stages in independent compartments.*

24812. H. Goerz and A. Rennert, trading as Achslager-syndikat. Improvements in and relating to lubricating devices for axle boxes and the like. *Lubricant applying section and supply reservoirs at sides thereof with overflow rim regulating flow of lubricant from reservoir to axle.*

24870. Krishen Singh. An improved method of manufacturing tiles and slabs and the tiles and slabs so manufactured. *Backing is first pressed and brought gently into contact with facing mixture spread on smooth polished surface.*

24882. E. I. Smith. Improvements in band saw machines. *Top wheel for band saw is adjustably fixed to frame.*

24949. R. Harcus and R. N. Scott. Improvements in and relating to apparatus for use in well boring or drilling operations. *Tool-carrying member operatively connected to drill string by universal joint.*

25140. Societe Anonyme "S. I. C. A. A." Societe Industrielle Constructions Antiaeriennes Antigaz. Improvements relating to ventilation particularly as protection against poisonous gas and the like. *Regenerating unit, filtering unit and distributor for air.*

25151. Meehanite Metal Corporation and O. Smalley. Improvements in the testing of cast-iron melts. *Casting test piece, cooling below recalescence point, subjecting to chill and determining proportion of white iron.*

25154. S. Junghans. Improvements in or relating to a method of casting molten substances, such as metals. *The molten substance being given the change in direction and for a whirling twining or throwing off movement.*

25178. M. A. Waris. A one piece needle for making rugs and other embroidery works. *Having a body portion formed like a tube and consisting of the handle with a spring and the needle proper.*

25191. Imperial Chemical Industries, Ld. Improvements in or relating to films, filaments, and other shaped articles made by hardening proteins coagulated from their solutions. *Articles are treated with hydrogen chloride or reactive chlorine compound.*

25210. D. H. Remfry. Improvements in or relating to closures for bottles and like containers. *Combination with a container of a rubber plug, a flexible and removable sealing disc and a clamping ring.*

25228. G. Jessop. A new or improved means for spacing and forming button holes and other stitchings in articles of clothing. *In automatic sewing machine mechanism for automatically spacing and stitching successively plurality of stitches at pre-determined distance apart.*

25275. Stator Corporation. Improvements in refrigerating and water heating apparatus. *Main heater causing circulation of fluid through refrigerating system and auxiliary heater ignited by the heat of the main heater.*

25276. Stator Corporation. Improvements in water heating and refrigerating apparatus. *Thermostatic device regulating operation of the heater.*

25300. E. I. Du Pont De Nemours and Co., L. R. Westbrook. Improvements in or relating to the electro-deposition of zinc. [Addition to No. 24327]. *Electroplating bath containing an oxyheterocyclic compound and a protective colloid.*

25312. The Superheater Co., Ld. Improvements in or relating to pipe joints. *Thickened end rigions of pipes providing welding surface and shoulders, externally threaded abutment on each pipe and an internally threaded sleeve.*

25313. Colgate-Palmolive-Peet Co. Improvements in or relating to water softening compositions. *Composition comprising a water soluble mineral oil sulphonate and a water soluble water softening phosphoric acid compound.*

25364. The Superheater Co., Ld. Improvements relating to steam superheater and like elements. *Bands having plurality of bights partially embracing parallel tubes.*

25429. C. J. H. Penning. Improvements in or relating to the treatment of molasses. (August 13, 1937). *Mixing molasses with freshly burnt quick lime.*

25431. Meehanite Metal Corporation and O. Smalley. Improvements in method of manufacturing cast iron and product thereof. *Addition of tellurium to molten cast iron to form white iron.*

25480. Patel & Lokhandwala. An improved process for manufacturing dry ice containers. *Cylinder having at its one end a socket with a gas tight plug having a cap bolted on to it.*

25506. Dr. C. Otto. Improvements in or relating to regeneratively heated chamber ovens for producing gas and coke. (June 2, 1938). *Heating walls sub-divided to form rows of vertical twin flues in which head heating flue is shorter than the other twin flue.*

25559. The General Electric Co., Ld. Improvements in or relating to ultra-violet ray emitters and their envelopes. (September 14, 1937). *Alkaline silicate glass containing 0·02 to 0·4 per cent. nickel oxide.*

25563. G. Nahman. Improvements in electro-magnetic motors with reciprocating movement. *Electro magnet and armature incorporated in a block of bakelite.*

25564. The General Electric Company, Limited. Improvements in combinations of electric discharge lamps and electric incandescent lamps. (September 27, 1937). *Discharge device and incandescent filament in series the voltage across the filament being 2 to 5 times that across discharge.*

25587. The General Electric Co., Ld. Improvements in negative glow electric discharge lamps. (September 16, 1937). *Negative glow lamp having a thin layer of metal as an electrode extending through a seal of the envelope.*

25606. A. Hutchings. An improved machine for treating tea leaf to subject the same to green sifting, ball breaking, cooling, grading and stalk extracting. *Reciprocating screens combined with a rotary beating and impelling device below.*

25612. W. Hachtel. Curtain rods of the "railway" type and method for producing the same. *On the middle part covers plates with tracks and longitudinal slots for rollers glued, whose grain extends transversely to the middle part.*

25613. W. Hachtel. Improvements in curtain rods and suspenders. *With downwardly hanging parallel arms, oscillatably suspended transversely to the pin of the pair of rollers.*

25632. The General Electric Co., Ld. Improvements in circuits arrangements for operating high-pressure mercury-vapour discharge lamps. *Discharge device fed from secondary of stray field transformer whose primary is fed from mains.*

25633. The General Electric Co., Ld. Improvements in or relating to electric circuits supplying electric discharge devices. *Discharge device fed by secondary of a stray field transformer whose primary is fed by mains.*

25649. T. Ruetz. Improvements in closure devices for tubes. (August 4, 1938). *A closure member with at least one inlet opening secured to a tubular member with an outlet slidable in the tube neck.*

25667. T. E. Woodroffe. Improvements in or relating to rodent or animal traps. (September 30, 1937). *A pivotally secured trip lever to engage the holding lever at one end and the bait at the other end.*

25669. A. Beckius. Building suitable for countries liable to earthquakes. *Spherical metallic framework let into mass of concrete in ground excavation, the centre of gravity of whole structure being located in concrete.*

25684. Edeleanu Gesellschaft m. b. H. Improvements in the separation of constituents of hydrocarbon oils and the like. (August 17, 1938). *Diluting the oil with the solvent in two stages and cooling.*

25687. The General Electric Co., Ld. Improvements in electric discharge lamps adapted for use as sources in optical projection apparatus. (October 8, 1937). *Distance between electrodes substantially less than 3 mm.*

25700. The English Electric Co., Ld. Improvements in hydraulic turbines. (October 4, 1937). *Arcuate servo-motors mounted on turbine casing to operate swivelling vanes.*

25701. O. Shimwell and D. W. Shimwell. Improvements in or connected with the beat-upmechanism of looms for weaving. (October 5, 1937). *Mounting and operation of the reed and slay separately from the shuttle-boxes.*

25703. J. F. Brett. Improvements in panel doors. *Stiles and top and bottom rails panel frame are secured by small sections of plywood inserted in slots.*

25723. T. D. Spencer and The Patent Lighting Co. Ld. Improvements in or relating to dynamo-electric machines. (October 4, 1937). *Field magnet or stator assembly comprising laminations clamped between end rings by tie plates welded to them.*

25727. F. Singer. Improvements relating to reciprocatory feed mechanisms for metal working machines. *Combination of a collet or split sleeve with a pair jaws to grip or release the work-piece and a reciprocatory slide.*

25729. The General Electric Co., Ld. Improvements in directional lighting fittings. (September 30, 1937). *A reflector above the source so as to direct the light into two beams and a bowl below the surface carrying prisms.*

25730. The General Electric Co., Ld. Improvements in directional lighting fittings adapted to cooperate with a linear source of light. (September 30, 1937). *Holder for the source adapted to be moved vertically relative to a reflecting trough above the source.*

25739. Les Usines De Melle. Improvements in or relating to processes for treating starchy materials in order to saccharify them. *First removing all mineral matter from the starchy material and then subjecting to acid conversion treatment.*

25741. H. Streefkerk. Improvements in and relating to barriers such as breakwaters, piers, jetties, wave breakers and similar structures having substantially vertical walls. *Superstructure supported at two points by separate foundation plates centrally loaded.*

25753. R. W. Luce. Improvements relating to lock-nuts. *Axially spaced threaded portions resiliently joined by united annular walls arranged for relative movement in the manner of bellows.*

25796. C. H. Johnson and Sons, Ld. Vibrator for use in consolidating concrete. *Vibrating tool enclosed in cylindrical container adapted to be immersed in the concrete and the motor housed in an upper casing.*

25801. Heenan & Froude Limited. Improvements in apparatus for exposing liquids to direct contact with air or gas. *Heat transfer plates formed with conical protuberances with sides split to form sharp projections.*

25803. I. G. Farbenindustrie Aktiengesellschaft. Process for the continuous purification of carbon disulphide. *Introducing the vapours into two purifying columns, whereby the volatile constituents in the crude liquid flowing the rough one of the columns is removed and the purified vapours in the second column condensed.*

25808. Kabusiki—Kaisa Takeda—Chobei Shoten. Preparation of vitamin B_1 and its analogous substances. *Mixing 2 methyl 4 amino 5 formamino (or thioformamino) methyl pyrimidine heated with γγ diaceto halogen propyl alcohol.*

25818. R. Namiki. Improvements in fountain-pens. (February 21, 1938). *Feed bar having inwardly directed extension, air grove, and ink ducts.*

25835. Ruhrchemie Aktiengesellschaft. Process for the treatment of spent cobalt catalysts. (September 8, 1938). *Dissolving in 3 to 5 per cent. nitric acid and reprecipitating.*

Printed Specifications Published.

A limited number of printed copies of the undernoted specifications are available for sale from the Manager of Publications, Civil Lines, Delhi, or on cash payment at the counter of the Government of India Central Book Depot, 8, Hastings Street, Calcutta, at one rupee each :—

24213. Gimson.
24214. Gimson.
24259. Corning Glass Works.
24331. Huzenlaub and Rogers.
24341. Dr. Bharade, and Nathan.
24432. Rawlings and The Rawlplug Company Ltd.
24631. Porter.
24672. Ruhrchemie Aktiengesellschaft.
24833. Wellesley Holdings Ld.
24863. Dunlop Rubber Co. (India) Ld.
24967. The Research Association of British Flour Millers.
25036. Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag).
25141. Stoom-Meelfabriek "Holland" N. V.
25166. Shahab-Uddin.
25203. The General Electric Co., Ld.
25303. The Keelavite Co., Ld.
25353. Santhanam.
25404. Voilas and Baladi.
25450. The General Electric Co., Ld.
25504. Wadaye.
25508. I. G. Farbenindustrie Aktiengesellschaft.
25543. The General Electric Co., Ld.
25695. Huzenlaub and Rogers.
25777. Vastava.
25830. Mrs. Gill.

Sealing Fees Due.

Notice is hereby given that patents may now be sealed on the applications referred to below. If it is desired that a patent should be sealed, a request on the prescribed form No. 8 of the Indian Patents and Designs Rules, 1933, accompanied by the fee, Rs. 30, should be sent to the Controller of Patents, 1, Council House Street, Calcutta :—

24002. Turnbull.
24249. The General Electric Co., Ltd.
24319. Auto Union A.-G.
24334. Hoover, Limited.
24335. Hoover, Limited.
24350. Mrs. Chawla.
24383. Ruhrchemie Aktiengesellschaft.
24422. Mitsui Bussan Kaisha, Ld.
24449. The General Electric Company, Limited.
24482. Ateliers Neyret-Beylier & Piccard-Pictet.
24499. Nier.
24607. The General Electric Co., Ld.
24619. Dr. Jezler.
24644. Kuretschka.
24668. Institut de Serotherapie hemopoietique, S. A.
24754. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler.
24790. Metallgesellschaft Aktiengesellschaft.
24800. Reemtsma.
24815. Hakim.
24838. Hannoversche Maschinenbau-Actien-Gesellschaft vormals George Egestorff (Hanomag).
24846. Banham.
24848. Dixon.
24853. Voith, Voith and Voith (trading as the firm of J. M. Voith).
24856. Marconi's Wireless Telegraph Co., Ld.
24868. Hannoversche Maschinenbau-Actien-Gesellschaft vormals George Egestorff (Hanomag).
24890. Freeborn.
24909. Binny & Company (Madras) Limited.
24915. Pittsburgh Plate Glass Co.
24933. Boenecke.
24942. Sarkar.
24956. Lampen-Und Metallwarenfabriken R. Ditmar Gebruder Brunner A. G.
24957. Lampen-Und Metallwarenfabriken R. Ditmar Gebruder Brunner A. G.
24970. Yuille.
24975. N. V. De Bataafsche Petroleum Maatschappij.
24993. Harris and Clayton Dewandre Co., Ld.
25064. Naamlooze Vennootschap Organon.
25094. Aktiebolaget Radius.
25097. Feroz-ud-Din.

25099. British Glycerine Manufacturers Ld.
25100. Brooke Bond and Co., Ld., and Walker.
25138. Ringer.
25149. Freeman.
25161. Insulatus A. G.
25162. Insulatus A. G.
25164. Callender's Cable and Construction Co., Ld.
25171. Bartfay.
25213. The General Electric Co., Ld.

Patents Sealed.

23462. Brogden.
24276. Standard Telephones and Cables Ld.
24278. National Carbon Co., Inc.
24318. Chatterjee, Banerjee and Goswami.
24360. H. A. Brassert & Co., Ld.
24510. The General Electric Co., Ld.
24534. The General Electric Co., Ld.
24676. International Hydrogenation Patents Co., Ld.
24689. Sanitation.
24692. Sundrum.
24783. The United Wire Works Ld.
24823. Austral Cabinet Co., Ld.
24883. Furness, Anderson, Joseph Crosfield & Sons, Ld.
24934. The British Tabulating Machine Co., Ld.
24987. Western Products Co., Ld.
25008. Kilby.
25107. Marconi's Wireless Telegraph Co., Ld.
25114. Yoshida.
25437. The General Electric Co., Ld.

Opposition Proceedings.

(I).

An opposition has been entered by J. C. Patel to the grant of a patent on application No. 22056 made by the Indian Hume Pipe Co., Ld.

(II)

An opposition has been entered by E. P. Phillips to the grant of a patent on application No. 24772 made by The Indian Hume Pipe Co., Ld.

(III)

An opposition has been entered by J. C. Patel to the grant of a patent on application No. 24772 made by the Indian Hume Pipe Co., Ld.

Amendment Proceedings.

24148. In pursuance of leave granted on the 21st December 1938, the above-numbered specification has been amended in the manner set forth in Part II of the Gazette of India, dated the 17th September 1938.

Registration of Assignments, Licenses, etc.

Assignments, Licenses or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interest :—

No. 15215. Turner & Newall Ld.

No. 19969. Pomilio Corporation Ld.

Nos. 21769 and 21848. N. V. Athano.

Renewal Fees Paid.

PATENTS.

9944. Gasoline Products Co. Inc. (To 2nd January 1940).
10977. Universal Oil Products Co. (To 12th January 1940).
10978. Cross. (To 12th January 1940).
11961. Automatic Telephone Manufacturing Co., Ld. (altered to Automatic Electric Co., Ld.). (To 13th February 1940).
12842. Hume Steel, Ld. (To 3rd January 1940).
12966. The Superheater Co., Ld. (To 8th February 1940).
13947. Standard Oil Co. of New York (altered to Socony Vacuum Oil Co., Inc.). (To 7th January 1940).
15177. Hume Steel, Ld. (To 2nd January 1940).
15269. Standard Oil Co. of New York (altered to Socony Vacuum Oil Co., Inc.). (To 15th January 1940).
16554. Spencer. (To 4th January 1940).
16621. Boyd and Ors. (To 13th January 1940)
16847. The Superheater Co., Ld. (To 1st February 1940).
16943. Good Roads Equipment Corporation. (To 28th April 1940).
17047. Pulp Industries, Ld. (To 25th March 1940).
17148. National Carbon Co., Inc. (To 30th June 1940).
18602. Mekel and anr. (To 2nd January 1940).
18620. Societe D'Electrochimie, D'Electrometallurgie Et Des Acieries Electriques D' Ugine. (To 2nd January 1940).
18621. Societe D'Electrochimie, D'Electrometallurgie Et Des Acieries Electriques D' Ugine. (To 2nd January 1940).
18625. I. G. Farbenindustrie Aktiengesellschaft. (To 4th January 1940).
18688. Hume Steel, Ld. (To 25th January 1940).
19496. Veglia. (To 18th January 1940).
19497. Veglia. (To 18th January 1940).
19531. Hamilton. (To 6th January 1940).
20098. Allmanna Svenska Elektriska Aktiebolaget. (To 23rd January 1940).
20316. I. G. Farbenindustrie Aktiengesellschaft. (To 24th January 1940).
20526. Dr. Reiffenstein. (To 13th January 1940).
20582. I. G. Farbenindustrie Aktiengesellschaft. (To 27th February 1940).
20606. I. G. Farbenindustrie Aktiengesellschaft. (To 13th February 1940).
20609. Fasting. (To 9th March 1940).
20745. Middelboe. (To 8th April 1940).
21086. Naamlooze Vennootschap Koninklijke Pharmaceutische Fabrieken voorheen Brocades-stheeman & Pharmacia. (To 2nd February 1940).
21482. Khan. (To 22nd December 1939).
21494. Veglia. (To 29th January 1940).
21508. Hume Steel, Ld. (To 2nd January 1940).
21516. Standard-Vacuum Oil Co. (To 5th January 1940).

21543. Andersen. (To 14th January 1940).
21571. Automatic Electric Co., Ld. (To 22nd February 1940).
21638. Vogel-Jorgensen. (To 11th February 1940).
22274. Heimberger. (To 14th March 1940).
22488. Boot's Pure Drug Co., Ld. (To 16th February 1940).
22544. I. G. Farbenindustrie Aktiengesellschaft. (To 12th February 1940).
22751. Stewarts & Lloyds, Ld. (To 5th April 1940).

Cessation of Patents.

12592. Ritchie.
13458. The Consolidated Brake & Engineering Co., Ld., and others.
13630. Associated Telephone & Telegraph Co.
16254. Owden.
18375. The Koppers Co. of Delaware (altered to Koppers Associates, Inc.).
19144. Monopoli.
19227. Camps.
19228. Camps.
19229. Camps.
19230. Camps.
20251. Jessop & Co., Ld.
20255. Jessop & Co., Ld.
21176. (Mrs.) Turner.
21178. DePenning.
21186. Naamlooze Vennootschap Irma Industrie en Ruwmaterialen Maatschappij.
21187. Peterkin and anr.

Registration of Designs.

The date following each entry is the date of registration of the designs included in that entry. The date of registration allowed under Section 78-A of the Act is shown in crescent brackets :—

Class 3. No. 63977. Achhar Singh, Proprietor, Patiala Harmonium House, Hamilton Road, Delhi. November 14, 1938.

Class 3. No. 64003. Dunlop Rubber Co. (India), Ld., of No. 57-B, Free School Street, Calcutta, British India. November 26, 1938. (July 21, 1938).

Class 12. No. 63978. Achhar Singh, Proprietor, Patiala Harmonium House, Hamilton Road, Delhi. November 14, 1938.

Class 13. Nos. 63997 to 63999. The Ahmedabad Manufacturing and Calico Printing Co., Ld., of Ahmedabad, Bombay Presidency, British India. November 21, 1938.

Class 13. Nos. 64041 and 64042. The Central India Spinning, Weaving & Mfg. Co., Ld., of Bombay House, Bruce Street, Fort, Bombay. December 1, 1938.

Class 13. No. 64046. The Ahmedabad Manufacturing & Calico Printing Co., Ld., of Ahmedabad, British India. December 5, 1938.

Class 13. No. 64047. The Mafatlal Fine Spg. & Mfg. Co., Ld., of Navsari, Baroda State. December 5, 1938.

Class 13. No. 64048. Sha Dwarkadas Dhanji, Mulji Jetha Market, Gaumukh Galli, Bombay 2. December 5, 1938.

Class 13. Nos. 64053 to 64057. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. December 8, 1938.

Class 13. No. 64060. The Mafatlal Fine Spg. & Mfg. Co., Ld., of Navsari, Baroda State. December 8, 1938.

Class 13. No. 64061. Gosho Kabushiki Kaisha, Ld., of Oriental Buildings, McLeod Road, Karachi. December 9, 1938.

Class 13. No. 64062. Ahmed Abdul Karim Bros., Ld., of 36, Anderson Street, Madras. December 10, 1938.

Class 13. No. 64063. Rohit Mills Ld., of Railwaypura Post, Ahmedabad 2, British India. December 10, 1938.

Class 13. Nos. 64067 to 64070. The New Shorrock Spinning and Manufacturing Co., Ld., of Nadiad (District Kaira), Bombay Presidency, British India. December 12, 1938.

Class 14. Nos. 64058 and 64059. The Calico Printers' Association, Ld., of St. James's Buildings, Oxford Street, Manchester, England. December 8, 1938.

Extension of Copyright in Designs.

Copyright in the following designs has been extended for a second period of five years from the expiration of the original period of five years. The date inserted at the end of each entry is the date of registration of the designs included in that entry :—

Class 1. No. 58012. The Renold and Coventry Chain Co., Ld., of Renold Works, Didsbury, Manchester, Lancaster, England. April 16, 1934. (Reciprocity date February 10, 1934).

Class 5. No. 57860. Thana Peena Sokkalal Ramsait, of Mukkudal, Tennevelly District, Madras Presidency, British India. March 5, 1934.

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(1)

Provisional subject-matter index for the quarter ending 31st December 1938.

A

Adhesive materials. 25839.
Advertising and displaying. 26019.
Aeronautics. 25821, 25826.
Agriculture. 25765.
Air and Gases, treating. 25892.
Alloys. 25918.
Animals, feeding, catching and destroying. 25947.
Artists' instruments and materials. 25775, 26013.

B

Bearings. 25865.
Bolts, studs, nuts washers and rivets. 25753, 25827, 25830, 25831, 25922.
Bottles, jars and like vessels. 25754.
Boxes and cases. 25868, 25940, 25962.
Bricks, blocks, slabs, tiles and pottery. 25992.
Brushing and sweeping. 25993.
Buildings and structures. 25985.
Burners and burner fittings. 25822, 25844, 25902.

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(2)

Name-index of applicants for patents for the quarter ending 31st December 1938.

NOTICES.

THE PATENT OFFICE, 1, COUNCIL HOUSE STREET, CALCUTTA.

Public room open 11 a.m. to 4 p.m. on week days except Saturdays;

and 11 a.m. to 1 p.m. on Saturdays.

Directions for the guidance of inventors and others are given in the Patent Office Handbook, 5th Edition (price As. 8), which contains the Indian Patents and Designs Act, 1911 (as modified up to the 1st July 1930), and the Indian Patents and Designs Rules, 1933, together with current regulations and instructions. Amendments made in the Indian Patents and Designs Rules, 1933, were published in Part II of the *Gazette of India*, dated the 26th January 1935. These should be consulted before an application is made to the Controller of Patents and Designs, 1, Council House Street, Calcutta.

The following is a list of the places where the publications of the Patent Office, as noted below, are deposited for free inspection by the public :—

A.—Where all publications including printed specifications are available :—

BANGALORE	Indian Institute of Science.
Do.	Industrial Museum in the Office of the Director of Industries and Commerce in Mysore.
BARODA	Department of Commerce and Industries.
BERLIN	The Reich Patent Office.
BOMBAY	Office of the Director of Industries.
CALCUTTA	Patent Office, No. 1, Council House Street.
CAWNPORE	Harcourt Butler Technological Institute.
DACCA	Sadar Registration Office.
DELHI	Office of the Superintendent of Industries.
LAHORE	Punjab Public Library.

LUCKNOW . . .	Amiruddaula Public Library.
MADRAS . . .	Record Office, Egmore.
Do. .	College of Engineering.
PATNA . . .	Office of the Director of Industries, Bihar and Orissa.
POONA . . .	Lord Reay Industrial Museum, Reay Market Tower, Shukrawarpeth.
RANGOON	Office of the Chief Secretary. Home and Political Department, Government of Burma.
WASHINGTON (U. S. A.) . .	The Patent Office.

B.—Where publications other than printed specifications are available:—

LONDON . .	Office of the High Commissioner for India, India House, Aldwych, W. C. 2.

K. RAMA PAI,

Controller of Patents and Designs.

NOTIFICATION.

Calcutta, the 22nd December 1938.

No. 2543-P.—Mr. K. Seshagiri Rao, Examiner of Patents, is granted leave on average pay for 14 days with effect from the 3rd January 1939.

K. RAMA PAI,

Controller of Patents and Designs.

OFFICE OF THE ACCOUNTANT-GENERAL, POSTS AND TELEGRAPHS.

New Delhi, the 20th December 1938.

Statement showing the amounts realised and paid in each of the Postal Circles on account of Post Office 5-year Cash Certificates, during October 1938 and the amounts outstanding at the end of the month.

[In thousands of rupees.]

Name of Postal Circle.	Cash realised from sales.	Amount repaid. Principal.	Amount of principal outstanding.
	Rs.	Rs.	Rs.
Bengal & Assam .	20,25	20,48	10,99,07
Bihar & Orissa .	4,35	5,02	2,28,55
Bombay . .	35,84	36,12	16,04,58
Central . . .	9,43	8,30	4,19,33
Sind & Baluchistan	5,13	5,86	2,57,69
Punjab & N. W. F..	20,17	21,08	11,09,81
United Provinces .	17,76	17,27	8,37,53
Madras . . .	9,88	7,85	3,10,25
Burma . . .	..	2,99	92,73
Total, October 1938	1,22,81	1,24,97	59,59,54
Total, October 1937	1,16,66	1,41,78	61,60,61
Total, October 1936	1,22,34	1,35,85	65,64,32

M. SUBRAHMANYAN,

Accountant-General, Posts and Telegraphs.

IMPERIAL BANK OF INDIA.

NOTICES.

Calcutta, the 21st December 1938.

The following appointments on the Bank's Staff are hereby notified:—

Mr. Sham Singh to be Clerk-in-Charge, Kapurthala Pay Office (under Jullundur Branch) as from the close of business on the 12th December 1938, *vice* Mr. Nirmal Singh.

Mr. M. Mahmud, Staff Assistant, to act as Accountant, Delhi Branch, as from the 15th December 1938, *vice* Mr. M. C. Day.

F. H. MOORHOUSE,

Offg. Secretary and Treasurer.

Calcutta, the 21st December 1938.

In pursuance of Schedule II, Regulation 51 of the Imperial Bank of India Act, 1920 the Central Board have empowered Mr. Sham Singh, Clerk-in-Charge, Kapurthala Pay Office (Jullundur Branch), to sign challans received on Kapurthala State account, up to a limit of Rs. 500 each, with effect from the 13th December 1938, while he is in charge of the Pay Office.

W. LAMOND,

Managing Director.

IMPERIAL VETERINARY RESEARCH INSTITUTE, MUKTESWAR.

NOTIFICATIONS.

Mukteswar, the 24th December 1938.

No. C.-613.—Mr. M. Y. Mangrulkar, M.Sc., M.R.C.V.S., D.T.V.M., Assistant Pathologist, is granted earned leave from the 14th January to the 6th April 1939, both days inclusive and is permitted to affix the gazetted holidays from the 7th to the 10th April 1939, to his leave.

No. C./614.—The services of Mr. P. C. Banerjee, G.C.V.C., Veterinary Deputy Superintendent, Mukteswar, are placed at the disposal of the Bengal Government with effect from the afternoon of the 22nd December 1938.

Mr. M. K. Sreenivasan, G.M.V.C., is appointed to officiate as Veterinary Deputy Superintendent, Mukteswar, from the afternoon of the 22nd December 1938, *vice* Mr. Banerjee.

Mr. Ram Narain Mohan, L.V.P., is appointed to officiate as Assistant Veterinary Research Officer from the afternoon of the 22nd December 1938, *vice* Mr. Sreenivasan.

J. R. HADDOW,

Offg. Director,

Imperial Veterinary Research Institute,

Mukteswar.

IMPERIAL LIBRARY.

(Government of India.)

(6, Esplanade East, Calcutta.)

The Reading Rooms open on { Week-days and Saturdays from 10 A.M. to 7 P.M. Sundays and other Gazetted holidays from 2 P.M. to 5 P.M.

The Reading Rooms are open to persons above 18 years of age.

The Library is a free Lending Library, open to any one residing in any part of India. There is no subscription to pay; but security in cash is essential.

K. M. ASADULLAH,

Librarian.

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE.

NOTIFICATION.

Roorkee, the 20th August 1935.

Registry Office for men of the undermen-ed grade is maintained by the Principal, mason College, Roorkee. Officers and loyers of labour requiring men are requested pply to the Principal:—

(1) Engineers.

(2) Overseers.

(3) Draftsmen and Surveyors.

(4) Men trained in Photo-Mechanical and Lithographic work.

H. J. AMOORE, I.S.E.,
Principal, Thomason College, Roorkee.

IAN SCHOOL OF MINES, DHANBAD.

Dhanbad, the 31st December 1938.

Registry Office for technically qualified of the undermentioned description is main-ed in this office:—

1. Mining Engineers.
2. Mining Assistants.
3. Mine Surveyors.
4. Mine Assayers and Samplers.
5. Geological Surveyors and Prospectors.

Officers and employers of labour, requiring men, are requested to communicate with the Principal.

CHARLES FORRESTER,
Principal,
Indian School of Mines

DEPARTMENT OF EXPLOSIVES.

NOTIFICATION.

Calcutta, the 20th December 1938.

No. E.-11 (1).—In this Department Notification No. E.-11 (1), dated 23rd July 1938 published on pages 1012—1018 of Part II of the *Gazette of India*, dated 3rd September 1938, *insert*:—

"Ammon Gelignite"
"Ammon Gelignite No. 2"
"Ammon Gelignite No. 3"
} differing from the corresponding Polar Ammon Gelignite only in containing nitrated Glycerine unmixed with Poly-Glycerine or Ethylene Glycol

above the entry "Ardeer Gelignite" in the list of explosives given under Class III—Nitro-compound, Division I.

G. PEACE,
Chief Inspector of Explosives in India.

INDIA METEOROLOGICAL DEPARTMENT.

NOTIFICATIONS.

Poona 5, the 21st December 1938.

No. G.-33403/P.-70.—Mr. Barkat Ali, B.A., M.Sc. (Punjab), Assistant Meteorologist, Poona, is granted leave on average pay for two months with effect from the 5th December 1938, with permission to prefix Sunday, the 4th December 1938 to the leave.

No. G.-33404/P.-70.—Mr. V. Ganesan, B.A. (Madras), Assistant, Meteorological Office, Poona, is appointed to officiate as Assistant Meteorologist with effect from the 5th December 1938, *vice* Mr. Barkat Ali granted leave.

Poona 5, the 24th December 1938.

No. G.-33877/P.-107.—Dr. K. Das, M.Sc. (Punj.), Ph.D. (Lond.), Assistant Meteorologist on being relieved of his duties at the Meteorological Office, Poona, on the afternoon of the 17th December 1938, was transferred to the Upper Air Observatory, Agra.

C. W. B. NORMAND,
Director General of Observatories.

INCOME-TAX DEPARTMENT, BENGAL.

ORDERS.

Calcutta, the 20th December 1938.

No. 16747-C. T./2-E./58.—Mr. Mahtabuddin Ahmed, B.A., Income-tax Officer, District V, Calcutta is allowed under Fundamental Rule

It is certified that the above officer is likely on the expiry of his leave to return to the post from which he proceeds on leave.

Calcutta, the 21st December 1938.

No. 16817-C. T./2-E./61.—Mr. S. K. Ghosh, B.A., Officiating Assistant Commissioner of Income-tax, Range No. III, Calcutta is allowed under Fundamental Rule 81 (b) (ii) leave on average pay for 1 month and 19 days with effect from the 13th December 1938 with permission to affix the Iduzzuha holidays on the 1st and 2nd February 1939 to the leave.

A. C. TURNER,

Commissioner of Income-tax, Bengal.

EAST INDIAN RAILWAY.

NOTIFICATIONS.

Calcutta, the 21st December 1938.

No. O. P. E.-418/5-1.—Mr. A. F. A. Blewitt, Assistant Superintendent (Lower Gazetted Service) Transportation (Traffic) and Commercial department who was granted 115 days' privilege leave combined with furlough for 4 months and 7 days on full pay *plus* 2 months' furlough on half pay out of India with effect from the 26th March 1938 *vide* notification No. O. P. E.-418-P.-5. dated the 18th March 1938 published in the *Gazette of India*, Part II, dated the 26th March 1938 has been permitted to resume duty on the 26th November 1938. The unexpired portion of his leave is hereby cancelled.

No. O. P. E.-418/5-2.—Mr. A. Gumbrill, Publicity Officer, Senior Scale, has been granted an extension of one month's leave on half average pay in India with effect from the 1st December 1938 in continuation of 5 months and 24 days leave on average pay combined with 2 months and 6 days leave on half average pay in India with effect from the 1st April 1938 *vide* notification No. O. P. E.-418/5, dated the 9th March 1938 published in the *Gazette of India*, Part II, dated the 19th March 1938.

Calcutta, the 23rd December 1938.

No. O. P. E.-418/5.—Mr. G. C. Stokes, Assistant Commercial Manager, Lower Gazetted Service, Transportation (Traffic) and Commercial Department, was granted seventy-two days' privilege leave in India with effect from the 3rd September 1938.

No. O. P. E.-418/5.—Mr. H. V. M. Stewart, officiating Superintendent, Senior Scale, Mechanical Engineering and Transportation (Power) Engineer, was granted an extension of furlough on full pay from the 20th October 1938 to 23rd October 1938 in continuation of 4 months privilege leave combined with 2 months furlough on full pay partly in India and partly out of India with effect from the 20th April 1938 *vide* notification No. E. P.-428, dated the 24th March 1938, published in the *Gazette of India*, Part II, dated the 2nd April 1938.

No. A. E.-780/13-1.—Mr. S. S. Chakravarty, Assistant Superintendent, Junior Scale, Mechanical Engineering and Transportation (Power) department, officiated as Superintendent, Senior Scale, in that department for the period from the 10th October 1938 to the 31st October 1938 both dates inclusive.

No. A. E.-780/13-2.—Mr. M. M. Khan, Assistant Superintendent, Junior Scale, Mechanical Engineering and Transportation (Power) department, officiated in the Senior Scale, in the organisation branch of this railway for the periods from the 26th June 1938 to the 31st July 1938 and from the 23rd August 1938 to the 8th November 1938.

J. A. BELL,

General Manager.

GREAT INDIAN PENINSULA RAILWAY.

NOTIFICATION.

Bombay, the 21st December 1938.

No. 21620-S./2262.—Mr. R. B. Lal, Assistant Transportation Superintendent (Junior Scale) availed himself of one day's leave on full average pay on 27th November 1938.

Mr. W. L. Kermack, Assistant Transportation Superintendent (Junior Scale) availed himself of 5 months combined leave, (*viz.* 4 months on full average pay and 1 month on half average pay) from 17th June 1938 instead of 5 months and 2 days as previously notified.

Dr. R. V. Clayton, Principal Medical and Health Officer, has been granted 3 months and 10 days leave on full average pay from 8th December 1938.

Mr. J. E. Bottomley, Mechanical Engineer (Senior Scale) who was appointed to officiate as Dy. Chief Mechanical Engineer (Loco.) from 3rd June 1938, reverted to his substantive appointment with effect from the 8th November 1938.

Mr. A. Cartwright, Assistant Mechanical Engineer (Junior Scale) has been provisionally confirmed in the Senior Scale as Mechanical Engineer with effect from 7th November 1938.

J. H. F. RAPER,

General Manager.

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